

2020

CENTRAL REGION ANNUAL HIV EPIDEMIOLOGICAL PROFILE

Data reported through
June 30, 2021

**CENTER FOR HIV
SURVEILLANCE,
EPIDEMIOLOGY AND
EVALUATION**

Infectious Disease Prevention and
Health Services Bureau
Prevention and Health Promotion
Administration



Maryland
DEPARTMENT OF HEALTH

Acknowledgements

This report is published by The Center for HIV Surveillance, Epidemiology and Evaluation (CHSEE). This report would not have been possible without the cooperation, dedication and hard work of HIV health care providers, local health departments, community groups, researchers, and members of the community.

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Suggested Citation

Central Region Annual HIV Epidemiological Profile 2020. Center for HIV Surveillance, Epidemiology and Evaluation, Maryland Department of Health, Baltimore, MD. 2021.

On the Web

<https://health.maryland.gov/phpa/OIDEOR/CHSE/SiteAssets/Pages/statistics/Central-Region-Annual-HIV-Epidemiological-Profile-2020.pdf>

Additional Information and Reporting Instructions

<https://health.maryland.gov/phpa/OIDEOR/CHSE/Pages/statistics.aspx>

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Section I – Summary of Analyses and Technical Notes

Highlights of Analyses

CHSEE in MDH is responsible for the collection, analysis, and dissemination of HIV surveillance data for the state of Maryland. The annual epidemiological profiles, fact sheets, maps and other reports are provided to summarize information about the HIV epidemic in Maryland.

All rates presented below are per 100,000 population.

HIV Diagnoses

During 2020, there were 334 reported HIV diagnoses in the Central Region. The Central Region includes Anne Arundel County, Baltimore City, Baltimore County, Carroll County, Harford County, and Howard County. Data presented below describe HIV diagnoses in the Central Region, among people aged 13 years and older, during 2020.

- Geographic distribution: Baltimore City accounted for the highest number (177, 53.0%) of HIV diagnoses and the highest rate (35.5).
- Age: Persons aged 20-39 years accounted for the highest number (197, 58.8%) of HIV diagnoses and the highest rate (30.9).
- Sex at Birth: Males accounted for the highest number (248, 74.3%) of HIV diagnoses. The rate among males was 22.5 and 7.1 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (249, 74.6%) and the highest rate (36.2).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (174, 52.1%) of diagnoses.

People Living with Diagnosed HIV

At the end of 2020, there were 17,042 people living with diagnosed HIV in the Central Region. Data presented below describe people living with diagnosed HIV, aged 13 years and older, in the Central Region.

- Geographic distribution: Baltimore City accounted for the highest number (10,423, 61.2%) of people living with diagnosed HIV and the highest rate (2,089.7).
- Age: Persons aged 50+ years accounted for the highest number (9,689, 56.9%) of people living with diagnosed HIV and the highest rate (1,407.1).
- Sex at Birth: Males accounted for the highest number (11,126, 65.3%) of people living with diagnosed HIV. The rate among males was 1,008.5 and 486.8 among females.
- Race/Ethnicity: Non-Hispanic Black people accounted for the highest number (12,958, 76.0%) of the people living with diagnosed HIV and the highest rate (1,885.7).
- Exposure Category: Male-to-male sexual contact accounted for the highest number (6,144, 36.1%) of the total people living with diagnosed HIV.

Engagement in HIV Care

- HIV diagnosed: Among people living with HIV in the Central Region, it is estimated that 90.4 percent have been diagnosed and an estimated 1,810 people with HIV remain undiagnosed.
- Linked to care: During 2020, 85.3 percent of reported HIV diagnoses were linked to HIV care within one month of their HIV diagnosis.
- Retained in care: Among people living with diagnosed HIV, 77.6 percent were retained in care during 2020.
- Viral suppression: In 2020, 66.2 percent of people living with diagnosed HIV achieved viral suppression.

Technical Notes

HIV/AIDS Reporting

The Maryland HIV/AIDS Reporting Act of 2007 requires that people living with diagnosed HIV be reported by name to MDH. As per the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02, physicians are required to report patients in their care with diagnoses of HIV or AIDS and infants born to mothers living with HIV, clinical and infection control practitioners in medical and correctional facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS, and laboratory directors are required to report all HIV diagnostic and HIV-related monitoring test results, including HIV negative test results.

Data Specifications

Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data. Data are collected on all people with HIV who were residents of the state of Maryland or received HIV care in Maryland. Data are presented for people who were Maryland residents at the time of their HIV diagnosis in 2020 and for people who were living with HIV and were current residents of Maryland as of December 31, 2020.

Data presented were reported to the MDH through June 30, 2021. Reported new diagnoses and estimates of people living with diagnosed HIV are as of December 31, 2020.

This report presents data with a six-month reporting delay. This lag allows for time to report case and laboratory data and to complete investigations. Due to reporting delays, estimates by exposure category and mortality are preliminary.

Please read all table titles and footnotes carefully to ensure a complete understanding of the displayed data. A glossary of terms is also available.

COVID-19 and HIV Surveillance Data

Data for 2020 should be interpreted with caution due to the impact of the Coronavirus Disease 2019 (COVID-19) pandemic on access to HIV testing and care-related services.

The following HIV morbidity estimates may have been affected by the COVID-19 pandemic in 2020.

- Incidence (new HIV infections or transmissions) estimates might be lower due to significant declines in the number of new HIV diagnoses.
- Declines in HIV diagnoses might not represent declines in new HIV infections, but rather decreases and/or delays in testing or changes in testing modality (e.g., self-testing).
- Caution should be used when interpreting prevalence (people living with HIV) estimates. Fewer HIV diagnoses and more deaths (resulting in lower prevalence) may be due to COVID-19 and not HIV activities.
- Declines in linkage to care, retention in care, and viral suppression estimates may be due to lack of laboratory testing during care visits (e.g., telemedicine) and/or changes in testing modality (e.g., self-testing).

Undiagnosed HIV Infections

The Centers for Disease Control and Prevention (CDC), using national surveillance data, estimates that the number of people living with undiagnosed HIV infection, among people living with HIV, is 13.3 percent in the United States.¹ Applying the same estimation method to Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 10.1 percent in 2019.

AIDS Diagnoses

CD4+ T-lymphocyte tests are measures of a person's immune system function. An adult living with diagnosed HIV is considered to have AIDS if they have less than 200

¹Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2015–2019. HIV Surveillance Supplemental Report 2021;26(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2021. Accessed May 2021.

CD4+ cells per microliter of blood, if the percent of T-Lymphocyte cells that are CD4+ is less than 14 percent, or if a person has been diagnosed with an opportunistic infection.

Mortality

People are assumed to be alive unless reported as deceased. Caution should be exercised when interpreting mortality estimates for recent years due to delays in reporting of non-AIDS deaths and out-of-state deaths. Most deaths are reported within two years.

Engagement in HIV Care

Treatment recommendations are that a person in HIV medical care should have their CD4 and viral load levels measured regularly, at least once per year. The presence of these lab tests is used as an indicator that someone has been “linked to care” after diagnosis or is “retained in care.”

Viral Suppression

Viral load tests are measures of the amount of HIV in a person’s body. The goal of HIV treatment is to have a low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of viral load, such as less than 200 copies per milliliter of blood, is known as viral suppression. Estimates of viral suppression among people living with diagnosed HIV are inclusive of people diagnosed in the specified year; therefore, they may not have had sufficient time to engage in HIV care and/or achieve viral suppression.

Geographic Distribution

Residence at diagnosis is used exclusively to describe new diagnoses. Statistics describing the number of people living with diagnosed HIV use current residence. Current residence numbers are restricted to people for which there is a case report form or laboratory test reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for people that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes people that may still be residents of Maryland but have not received any HIV care since prior to 2009. In addition,

residence is dynamic and people living with diagnosed HIV may have resided at multiple addresses that cannot all be represented in single time point estimates.

Residents of Correctional Facilities

New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in local jails or detention centers are presented, whenever possible, as residing at their home address. New diagnoses of HIV and people living with diagnosed HIV who were reported to be residing in a state or federal prison in Maryland are presented as residing in a separate “Corrections” jurisdiction.

Gender Identity

This epidemiological profile describes people by gender identity. Gender identity is one’s internal understanding of one’s own gender or the gender with which a person identifies. Historically, it has been difficult to present data by gender identity. No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender diverse people (defined as people who have a gender identity or gender expression that differs from their assigned sex at birth) living with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

Race/Ethnicity

The completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across reporting sources and some reporting sources do not collect or have complete data on race/ethnicity.

Country of Birth

The completeness of reporting a person’s country of birth is variable in surveillance data. Not all reporting sources collect or have complete data on nativity. In addition, some individuals may immigrate to the United States with HIV. HIV testing data from other countries is often unavailable for these people; therefore, they are counted as a new diagnosis following their first HIV related lab test in the United States, even if they were first diagnosed elsewhere.

HIV Exposure Categories

The CDC developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

Sources of Data

Information on HIV and AIDS diagnoses, including residence, age, race/ethnicity, sex at birth, gender identity, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from MDH's Enhanced HIV/AIDS Reporting System (eHARS), as of June 30, 2021.

Population data by sex, age, and race/ethnicity are from the July 1, 2020 United States Census Estimates. Population data by country-of-birth are from the Census Bureau's 2019 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic other race from the Census were combined into one group.

Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of people living with HIV, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than five people.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Tables presenting clinical/laboratory information for reported new diagnoses by ZIP code will present only ZIP codes with at least five people. Exposure/risk data is not suppressed due to statistical adjustments resulting in the presentation of estimated or probable risk.

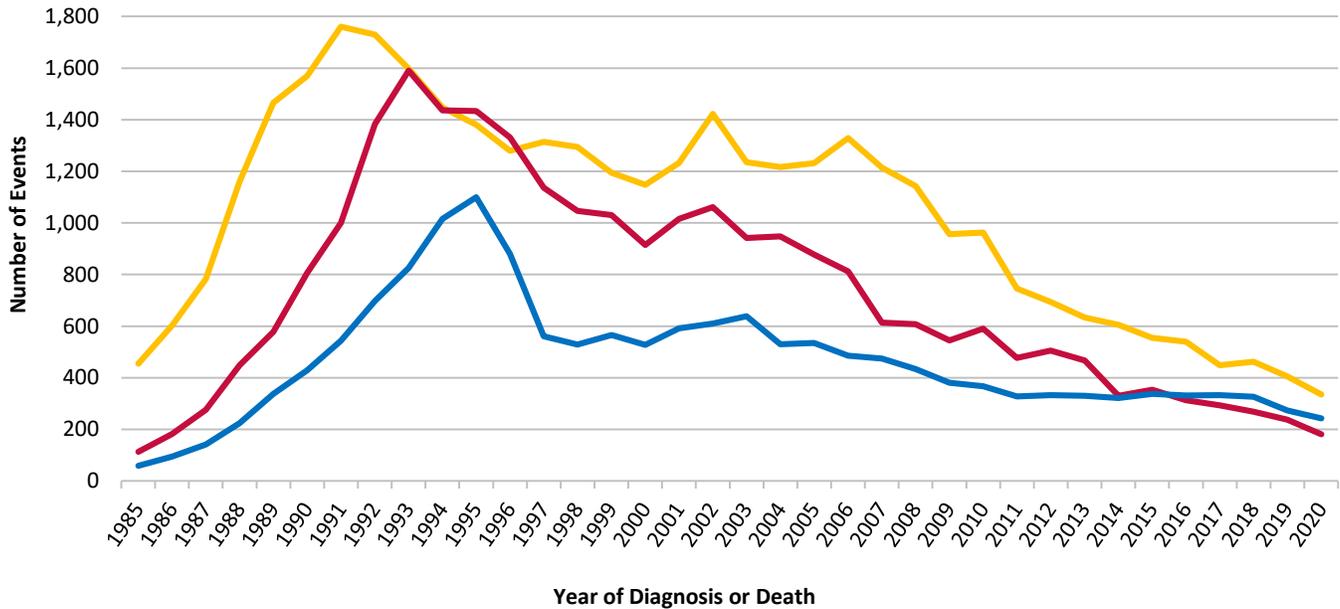
Multiple Imputation

Not all exposure data is reported and is therefore missing in some instances. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.

Section II – Trends 1985-2020

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021

People Diagnosed with HIV (Reported HIV Diagnoses) by Year of HIV Diagnosis, People Diagnosed with HIV with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and People Diagnosed with HIV with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2020, as Reported through June 30, 2021



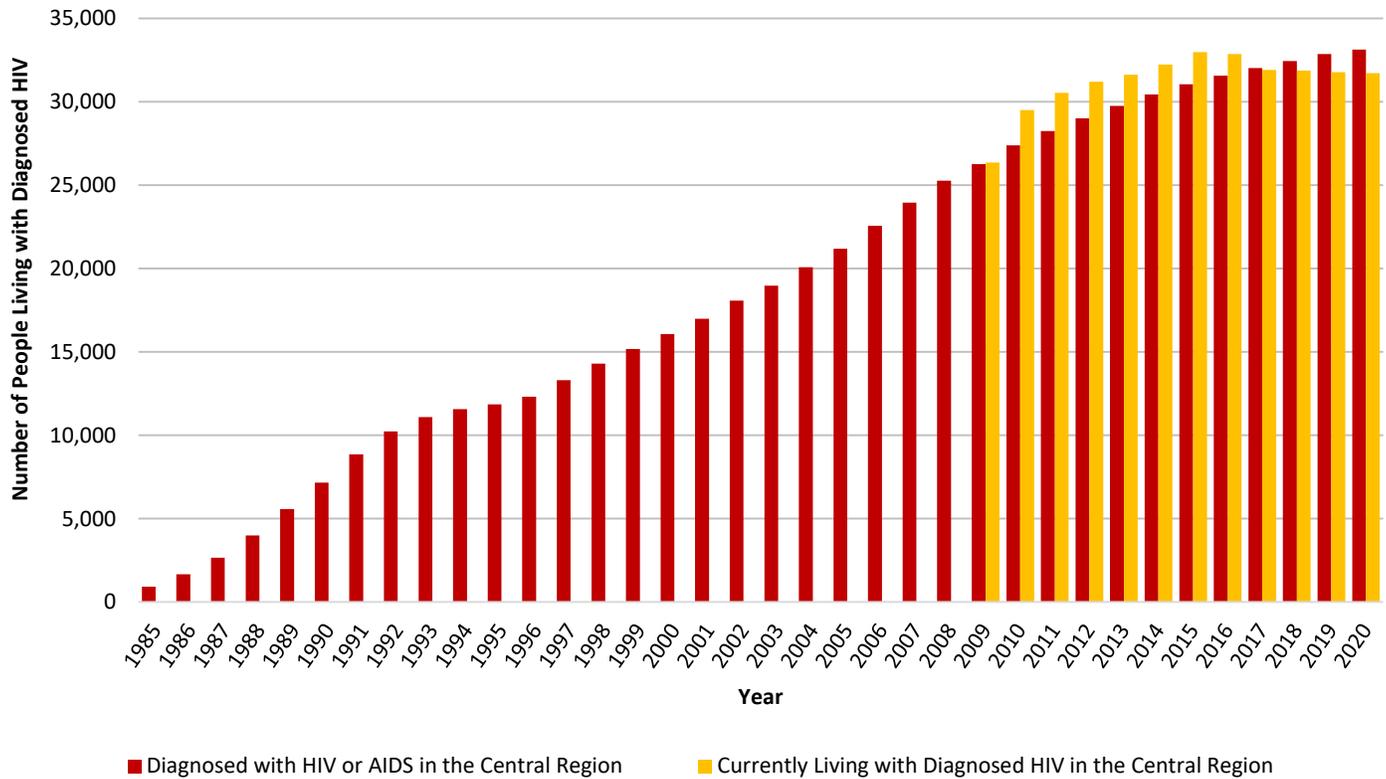
Year of Diagnosis or Death	Reported HIV Diagnoses			Year of Diagnosis or Death	Reported AIDS Diagnoses		
	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths		Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	240	77	35	2003	1,235	942	638
1985	455	113	59	2004	1,217	948	530
1986	603	182	94	2005	1,231	878	535
1987	782	276	141	2006	1,329	812	486
1988	1,160	449	224	2007	1,214	614	474
1989	1,466	578	337	2008	1,143	608	434
1990	1,569	806	429	2009	957	544	381
1991	1,760	999	543	2010	963	590	367
1992	1,730	1,383	697	2011	745	477	328
1993	1,598	1,590	826	2012	694	505	333
1994	1,447	1,436	1,015	2013	633	467	330
1995	1,380	1,433	1,099	2014	605	330	322
1996	1,280	1,331	880	2015	555	353	337
1997	1,314	1,136	561	2016	540	313	331
1998	1,294	1,046	528	2017	449	293	332
1999	1,194	1,031	565	2018	462	268	326
2000	1,148	915	527	2019*	405	238	273
2001	1,233	1,015	591	2020*	335	181	243
2002	1,423	1,061	610	Total	37,788	26,218	16,761

*2019-2020 reported AIDS deaths are preliminary

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 2 – Trends in People Living with Diagnosed HIV, among Residents at Diagnosis, 1985-2020, Reported through June 30, 2021

People Living with Diagnosed HIV in the Central Region and Not Reported to have Died as of December 31st of Each Year (People who were Diagnosed with HIV or AIDS in the Central Region and/or People who are Currently Living with Diagnosed HIV in the Central Region from 1985 through 2020, as Reported through June 30, 2021

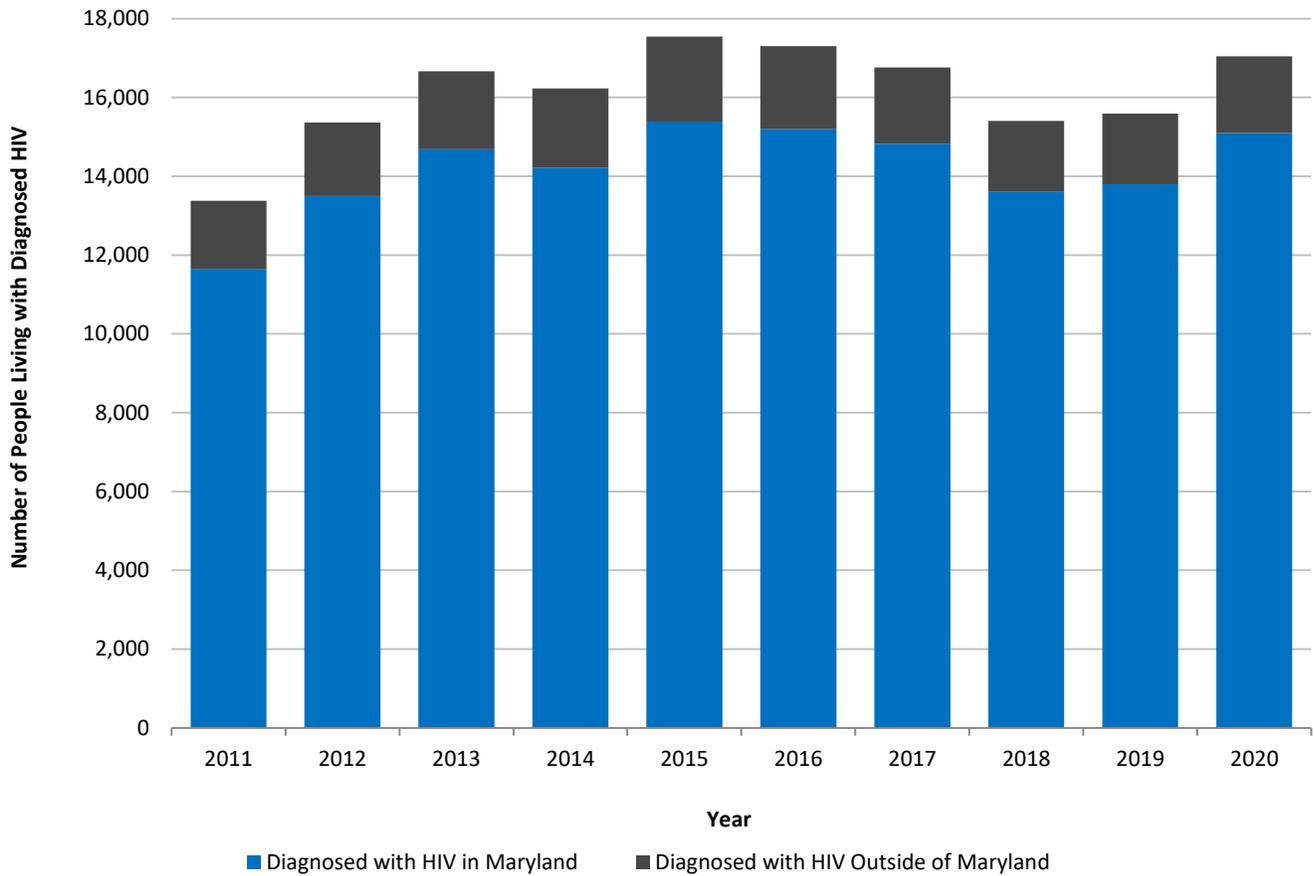


People Living with Diagnosed HIV			People Living with Diagnosed HIV		
Year	Diagnosed with HIV or AIDS in the Central Region	Current Residents	Year	Diagnosed with HIV or AIDS in the Central Region	Current Residents
1985	594	--	2003	12,122	--
1986	1,096	--	2004	12,685	--
1987	1,731	--	2005	13,277	--
1988	2,647	--	2006	14,032	--
1989	3,721	--	2007	14,686	--
1990	4,821	--	2008	15,307	--
1991	5,957	--	2009	15,822	13,784
1992	6,908	--	2010	16,359	14,464
1993	7,576	--	2011	16,723	13,417
1994	7,876	--	2012	17,023	15,414
1995	8,030	--	2013	17,276	16,711
1996	8,311	--	2014	17,482	16,253
1997	8,922	--	2015	17,649	17,565
1998	9,543	--	2016	17,760	17,326
1999	10,049	--	2017	17,812	16,787
2000	10,526	--	2018	17,857	15,425
2001	11,025	--	2019	17,909	15,601
2002	11,694	--	2020	17,922	17,062

Note. Current residence for people living with diagnosed HIV is unavailable prior to 2009.

Figure 3 – Trends in People Aged 13+ Living with Diagnosed HIV, among Current Residents, 2011-2020, Reported through June 30, 2021

People Living with Diagnosed HIV in the Central Region and Not Reported to have Died as of December 31st of Each Year from 2011 through 2020, as Reported through June 30, 2021

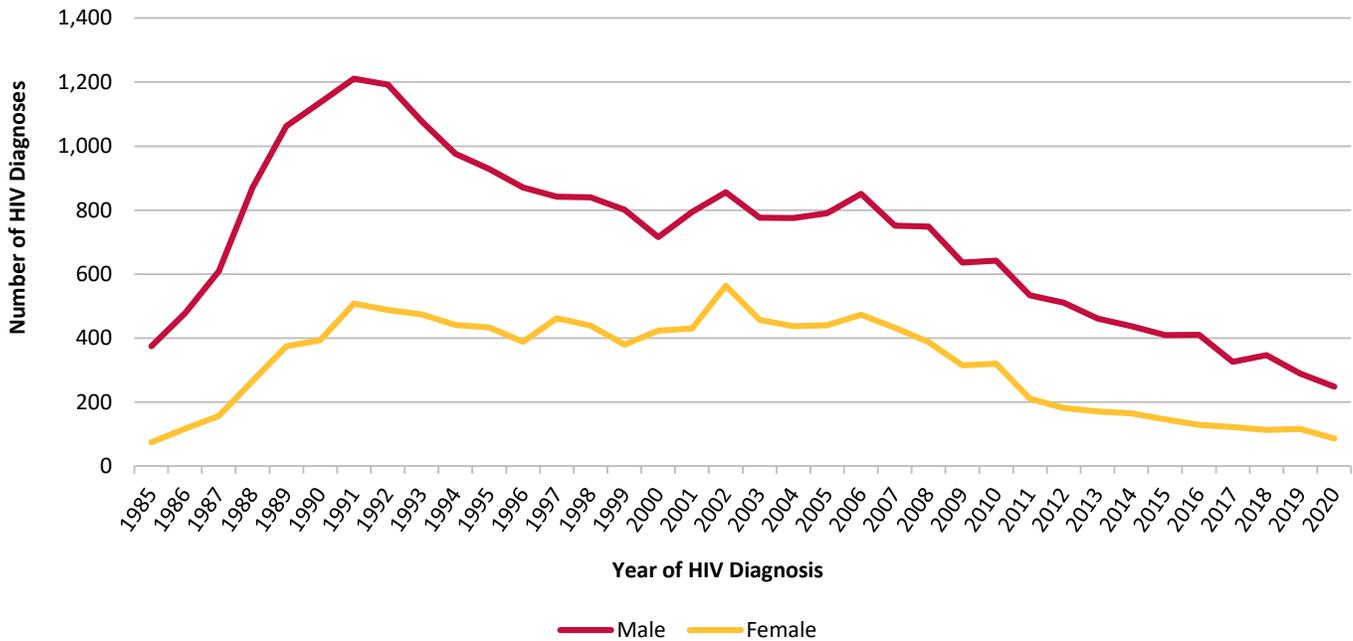


Year	Population Aged 13+	Central Region Residents Aged 13+ as of December 31st of the Specified Year		Total	Rate
		Diagnosed with HIV in Maryland	Diagnosed with HIV Outside of Maryland		
2011	2,251,375	11,647	1,729	13,376	594.1
2012	2,270,519	13,503	1,861	15,364	676.7
2013	2,284,012	14,689	1,978	16,667	729.7
2014	2,295,862	14,217	2,008	16,225	706.7
2015	2,306,019	15,390	2,152	17,542	760.7
2016	2,310,712	15,191	2,112	17,303	748.8
2017	2,315,581	14,821	1,940	16,761	723.8
2018	2,318,969	13,601	1,806	15,407	664.4
2019	2,320,686	13,794	1,794	15,588	671.7
2020	2,318,416	15,099	1,943	17,042	735.1

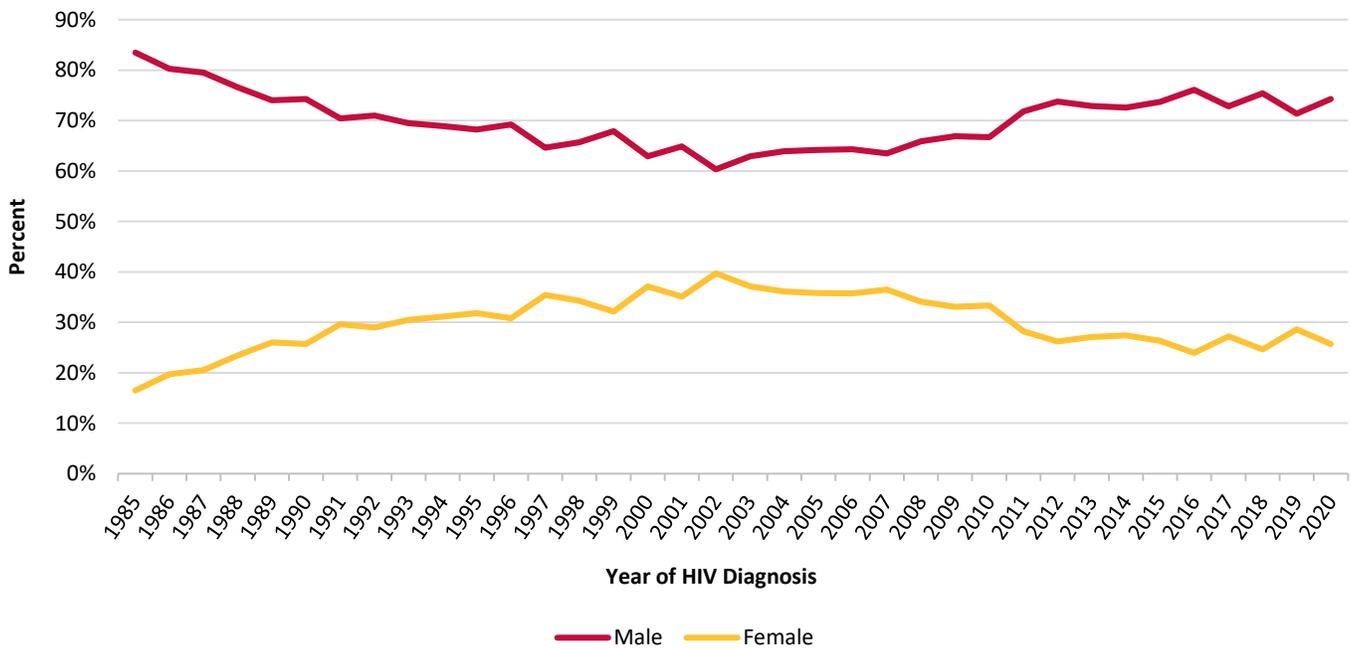
Figure 4 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Sex at Birth, 1985-2020, Reported through June 30, 2021

Number and Percent by Sex at Birth of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses among People Aged 13+ by Sex at Birth, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+ by Sex at Birth, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+

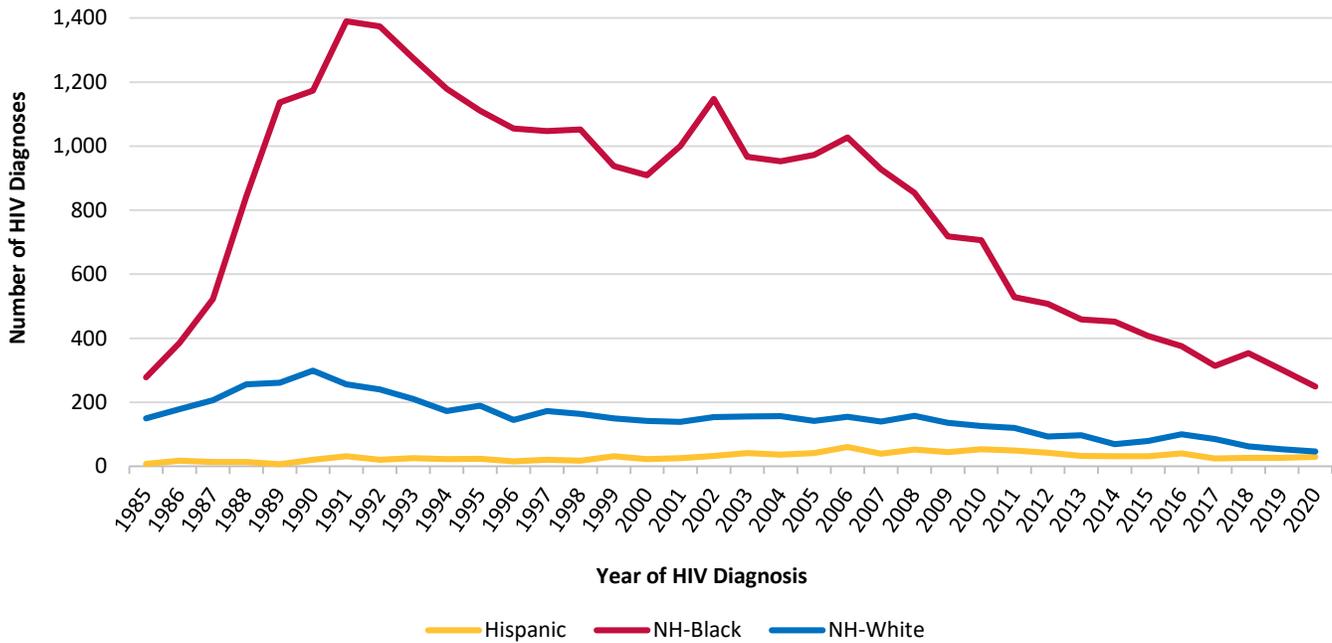
Year of HIV Diagnosis	Number	Sex at Birth			
		Male		Female	
		Number	Percent	Number	Percent
<1985	238	207	87.0%	31	13.0%
1985	448	374	83.5%	74	16.5%
1986	595	478	80.3%	117	19.7%
1987	766	609	79.5%	157	20.5%
1988	1,137	871	76.6%	266	23.4%
1989	1,437	1,063	74.0%	374	26.0%
1990	1,529	1,136	74.3%	393	25.7%
1991	1,719	1,211	70.4%	508	29.6%
1992	1,680	1,192	71.0%	488	29.0%
1993	1,552	1,078	69.5%	474	30.5%
1994	1,417	976	68.9%	441	31.1%
1995	1,361	928	68.2%	433	31.8%
1996	1,259	871	69.2%	388	30.8%
1997	1,304	842	64.6%	462	35.4%
1998	1,279	840	65.7%	439	34.3%
1999	1,180	801	67.9%	379	32.1%
2000	1,139	716	62.9%	423	37.1%
2001	1,224	794	64.9%	430	35.1%
2002	1,419	856	60.3%	563	39.7%
2003	1,233	776	62.9%	457	37.1%
2004	1,212	775	63.9%	437	36.1%
2005	1,230	790	64.2%	440	35.8%
2006	1,324	851	64.3%	473	35.7%
2007	1,183	751	63.5%	432	36.5%
2008	1,135	748	65.9%	387	34.1%
2009	951	636	66.9%	315	33.1%
2010	962	642	66.7%	320	33.3%
2011	744	534	71.8%	210	28.2%
2012	692	511	73.8%	181	26.2%
2013	632	461	72.9%	171	27.1%
2014	602	437	72.6%	165	27.4%
2015	555	409	73.7%	146	26.3%
2016	539	410	76.1%	129	23.9%
2017	448	326	72.8%	122	27.2%
2018	460	347	75.4%	113	24.6%
2019	405	289	71.4%	116	28.6%
2020	334	248	74.3%	86	25.7%
Total	37,324	25,784	69.1%	11,540	30.9%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

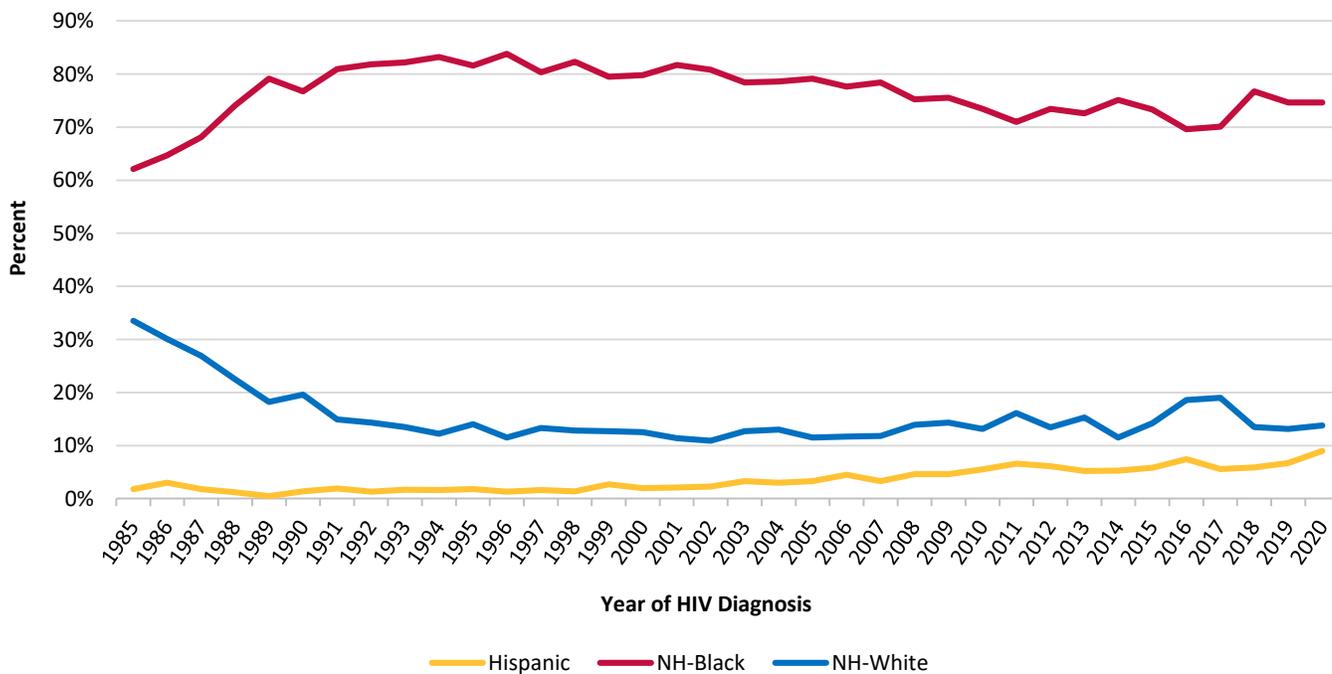
Figure 5 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Race/Ethnicity, 1985-2020, Reported through June 30, 2021

Number and Percent by Race/Ethnicity of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021

Reported HIV Diagnoses among People Aged 13+ by Race/Ethnicity, 1985-2020, Reported through June 30, 2021



Reported HIV Diagnoses among People Aged 13+ by Race/Ethnicity, 1985-2020, Reported through June 30, 2021



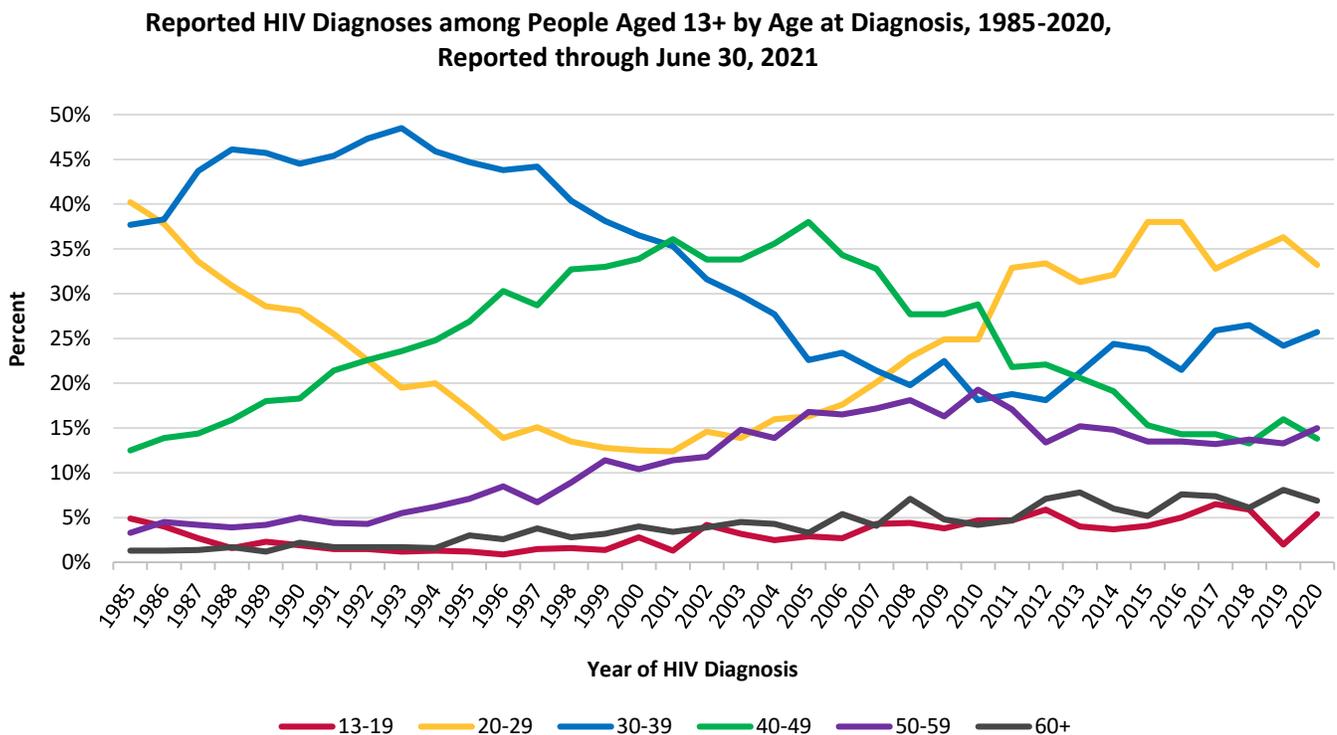
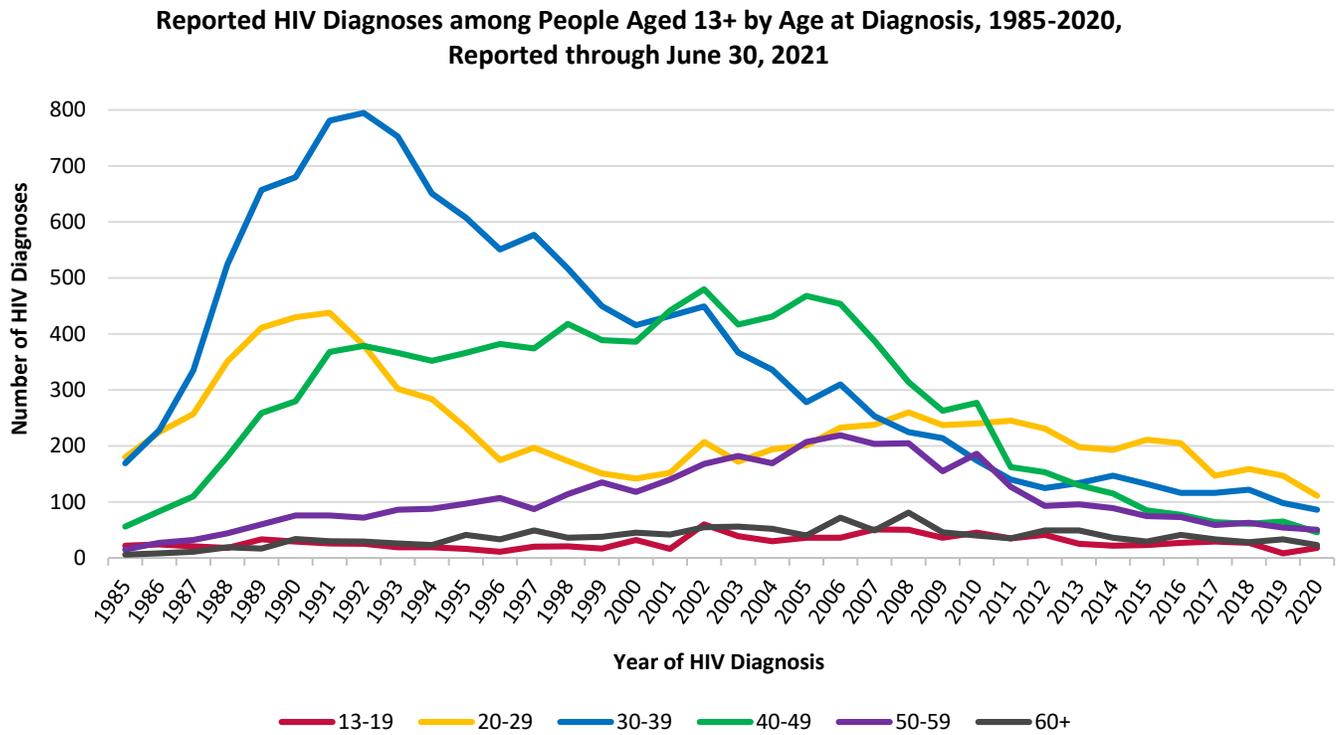
Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	238	7	2.9%	130	54.6%	94	39.5%	7	2.9%
1985	448	8	1.8%	278	62.1%	150	33.5%	12	2.7%
1986	595	18	3.0%	385	64.7%	179	30.1%	13	2.2%
1987	766	14	1.8%	522	68.1%	206	26.9%	24	3.1%
1988	1,137	14	1.2%	843	74.1%	256	22.5%	24	2.1%
1989	1,437	7	0.5%	1,137	79.1%	261	18.2%	32	2.2%
1990	1,529	21	1.4%	1,173	76.7%	299	19.6%	36	2.4%
1991	1,719	32	1.9%	1,390	80.9%	256	14.9%	41	2.4%
1992	1,680	21	1.3%	1,374	81.8%	240	14.3%	45	2.7%
1993	1,552	26	1.7%	1,275	82.2%	210	13.5%	41	2.6%
1994	1,417	23	1.6%	1,179	83.2%	173	12.2%	42	3.0%
1995	1,361	24	1.8%	1,111	81.6%	190	14.0%	36	2.6%
1996	1,259	16	1.3%	1,055	83.8%	145	11.5%	43	3.4%
1997	1,304	21	1.6%	1,047	80.3%	173	13.3%	63	4.8%
1998	1,279	18	1.4%	1,052	82.3%	164	12.8%	45	3.5%
1999	1,180	32	2.7%	938	79.5%	150	12.7%	60	5.1%
2000	1,139	23	2.0%	909	79.8%	142	12.5%	65	5.7%
2001	1,224	26	2.1%	1,000	81.7%	139	11.4%	59	4.8%
2002	1,419	33	2.3%	1,147	80.8%	154	10.9%	85	6.0%
2003	1,233	41	3.3%	967	78.4%	156	12.7%	69	5.6%
2004	1,212	36	3.0%	953	78.6%	157	13.0%	66	5.4%
2005	1,230	41	3.3%	973	79.1%	142	11.5%	74	6.0%
2006	1,324	60	4.5%	1,027	77.6%	155	11.7%	82	6.2%
2007	1,183	39	3.3%	928	78.4%	140	11.8%	76	6.4%
2008	1,135	52	4.6%	854	75.2%	158	13.9%	71	6.3%
2009	951	44	4.6%	718	75.5%	136	14.3%	53	5.6%
2010	962	53	5.5%	706	73.4%	126	13.1%	77	8.0%
2011	744	49	6.6%	528	71.0%	120	16.1%	47	6.3%
2012	692	42	6.1%	508	73.4%	93	13.4%	49	7.1%
2013	632	33	5.2%	459	72.6%	97	15.3%	43	6.8%
2014	602	32	5.3%	452	75.1%	69	11.5%	49	8.1%
2015	555	32	5.8%	407	73.3%	79	14.2%	37	6.7%
2016	539	40	7.4%	375	69.6%	100	18.6%	24	4.5%
2017	448	25	5.6%	314	70.1%	85	19.0%	24	5.4%
2018	460	27	5.9%	353	76.7%	62	13.5%	18	3.9%
2019	405	27	6.7%	302	74.6%	53	13.1%	23	5.7%
2020	334	30	9.0%	249	74.6%	46	13.8%	9	2.7%
Total	37,324	1,087	2.9%	29,018	77.7%	5,555	14.9%	1,664	4.5%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 6 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Age at HIV Diagnosis, 1985-2020, Reported through June 30, 2021

Number and Percent by Age at HIV Diagnosis of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021



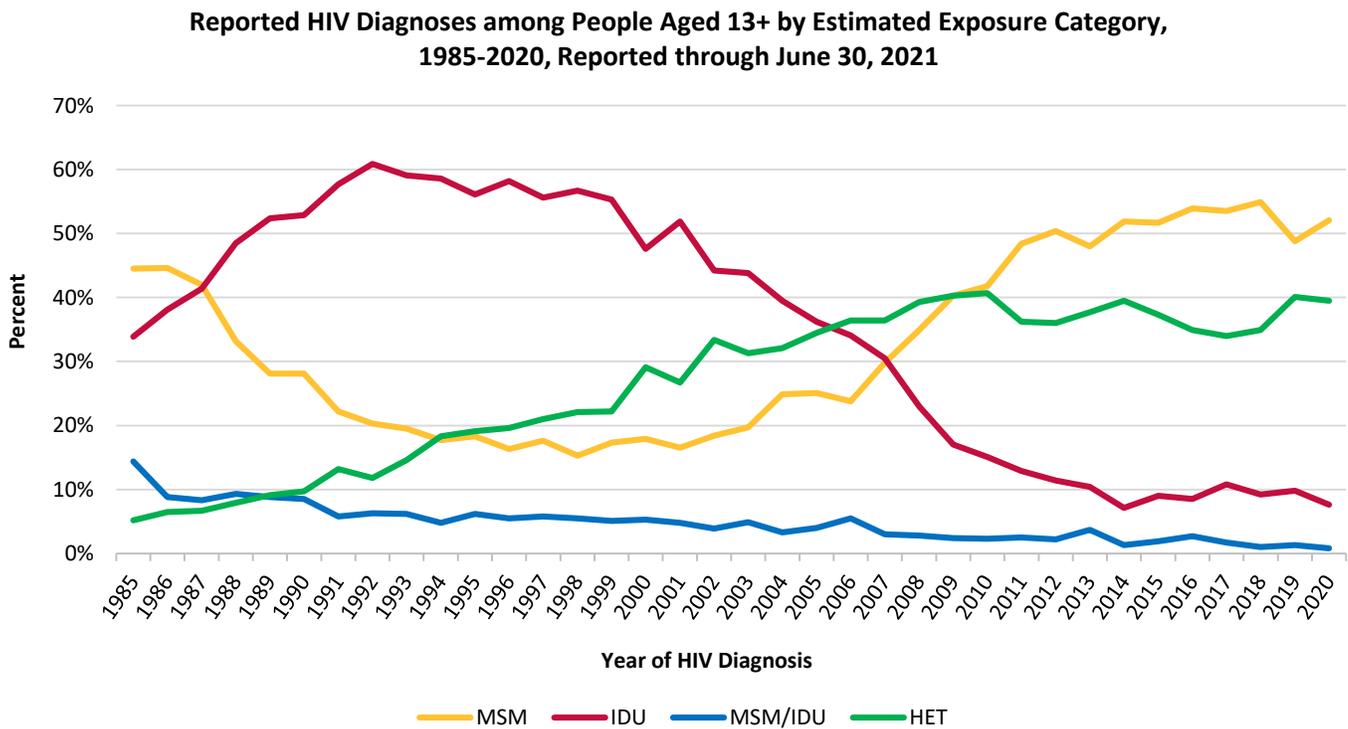
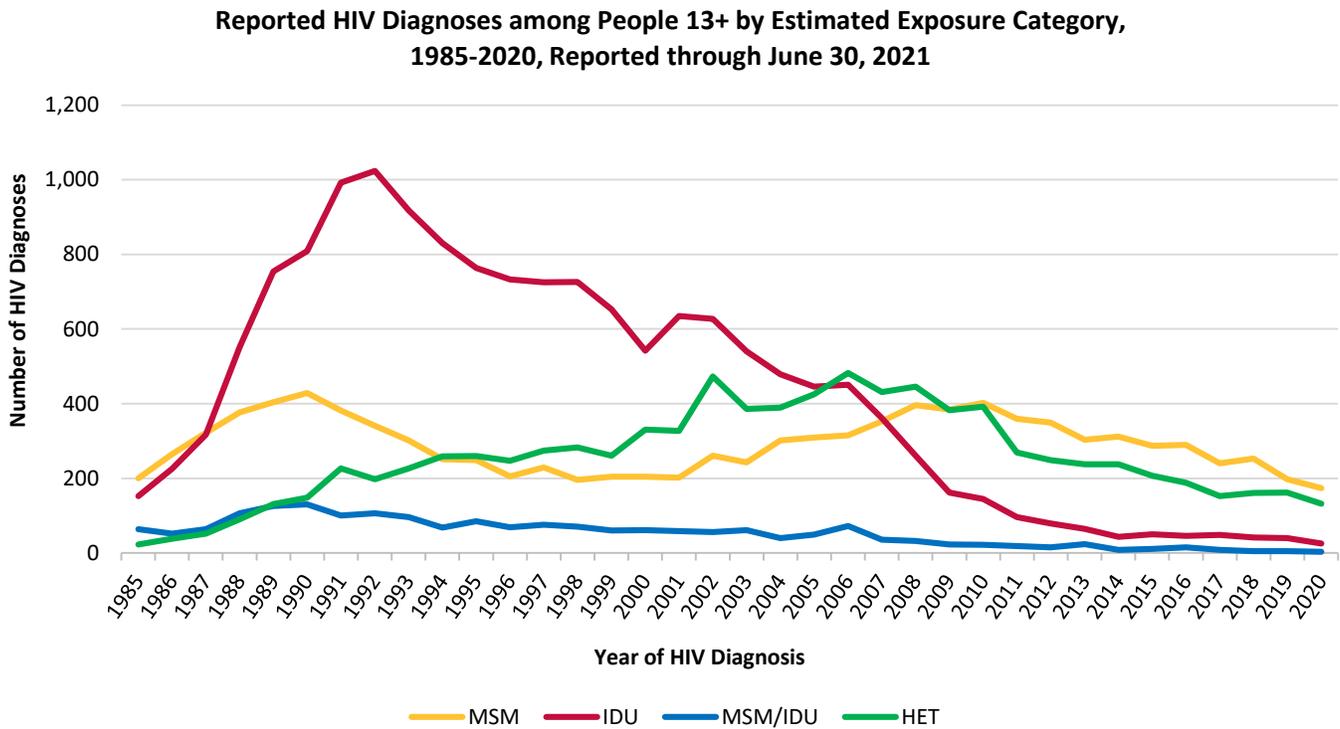
Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	Age at HIV Diagnosis											
		13-19		20-29		30-39		40-49		50-59		60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	238	18	7.6%	102	42.9%	71	29.8%	32	13.4%	14	5.9%	1	0.4%
1985	448	22	4.9%	180	40.2%	169	37.7%	56	12.5%	15	3.3%	6	1.3%
1986	595	24	4.0%	225	37.8%	228	38.3%	83	13.9%	27	4.5%	8	1.3%
1987	766	21	2.7%	257	33.6%	335	43.7%	110	14.4%	32	4.2%	11	1.4%
1988	1,137	18	1.6%	351	30.9%	524	46.1%	181	15.9%	44	3.9%	19	1.7%
1989	1,437	33	2.3%	411	28.6%	657	45.7%	259	18.0%	60	4.2%	17	1.2%
1990	1,529	29	1.9%	430	28.1%	680	44.5%	280	18.3%	76	5.0%	34	2.2%
1991	1,719	26	1.5%	438	25.5%	781	45.4%	368	21.4%	76	4.4%	30	1.7%
1992	1,680	25	1.5%	380	22.6%	795	47.3%	379	22.6%	72	4.3%	29	1.7%
1993	1,552	19	1.2%	302	19.5%	753	48.5%	366	23.6%	86	5.5%	26	1.7%
1994	1,417	19	1.3%	284	20.0%	651	45.9%	352	24.8%	88	6.2%	23	1.6%
1995	1,361	16	1.2%	233	17.1%	608	44.7%	366	26.9%	97	7.1%	41	3.0%
1996	1,259	11	0.9%	175	13.9%	551	43.8%	382	30.3%	107	8.5%	33	2.6%
1997	1,304	20	1.5%	197	15.1%	577	44.2%	374	28.7%	87	6.7%	49	3.8%
1998	1,279	21	1.6%	173	13.5%	517	40.4%	418	32.7%	114	8.9%	36	2.8%
1999	1,180	17	1.4%	151	12.8%	450	38.1%	389	33.0%	135	11.4%	38	3.2%
2000	1,139	32	2.8%	142	12.5%	416	36.5%	386	33.9%	118	10.4%	45	4.0%
2001	1,224	16	1.3%	152	12.4%	432	35.3%	442	36.1%	140	11.4%	42	3.4%
2002	1,419	60	4.2%	207	14.6%	449	31.6%	480	33.8%	168	11.8%	55	3.9%
2003	1,233	39	3.2%	172	13.9%	367	29.8%	417	33.8%	182	14.8%	56	4.5%
2004	1,212	30	2.5%	194	16.0%	336	27.7%	431	35.6%	169	13.9%	52	4.3%
2005	1,230	36	2.9%	201	16.3%	278	22.6%	468	38.0%	207	16.8%	40	3.3%
2006	1,324	36	2.7%	233	17.6%	310	23.4%	454	34.3%	219	16.5%	72	5.4%
2007	1,183	51	4.3%	238	20.1%	253	21.4%	388	32.8%	204	17.2%	49	4.1%
2008	1,135	50	4.4%	260	22.9%	225	19.8%	314	27.7%	205	18.1%	81	7.1%
2009	951	36	3.8%	237	24.9%	214	22.5%	263	27.7%	155	16.3%	46	4.8%
2010	962	45	4.7%	240	24.9%	174	18.1%	277	28.8%	186	19.3%	40	4.2%
2011	744	35	4.7%	245	32.9%	140	18.8%	162	21.8%	127	17.1%	35	4.7%
2012	692	41	5.9%	231	33.4%	125	18.1%	153	22.1%	93	13.4%	49	7.1%
2013	632	25	4.0%	198	31.3%	134	21.2%	130	20.6%	96	15.2%	49	7.8%
2014	602	22	3.7%	193	32.1%	147	24.4%	115	19.1%	89	14.8%	36	6.0%
2015	555	23	4.1%	211	38.0%	132	23.8%	85	15.3%	75	13.5%	29	5.2%
2016	539	27	5.0%	205	38.0%	116	21.5%	77	14.3%	73	13.5%	41	7.6%
2017	448	29	6.5%	147	32.8%	116	25.9%	64	14.3%	59	13.2%	33	7.4%
2018	460	27	5.9%	159	34.6%	122	26.5%	61	13.3%	63	13.7%	28	6.1%
2019	405	8	2.0%	147	36.3%	98	24.2%	65	16.0%	54	13.3%	33	8.1%
2020	334	18	5.4%	111	33.2%	86	25.7%	46	13.8%	50	15.0%	23	6.9%
Total	37,324	1,025	2.7%	8,412	22.5%	13,017	34.9%	9,673	25.9%	3,862	10.3%	1,335	3.6%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Figure 7 – Trends in Reported HIV Diagnoses, among Residents at Diagnosis Aged 13+, by Estimated Exposure Category, 1985-2020, Reported through June 30, 2021

Number and Percent by Estimated Exposure Category[§] of People Diagnosed with HIV, Aged 13+ at HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2020, as Reported through June 30, 2021



Other exposure category not shown

§ Multiple imputation was used to estimate and adjust for missing exposure category.

Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	% with No Reported Exposure [‡]	Estimated Exposure Category [§]									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	238	2.5%	132	55.3%	62	26.1%	27	11.2%	9	3.6%	9	3.8%
1985	448	4.2%	200	44.5%	152	33.9%	64	14.4%	23	5.2%	9	2.0%
1986	595	3.0%	265	44.6%	226	38.1%	52	8.8%	38	6.5%	12	2.0%
1987	766	2.7%	322	42.0%	317	41.4%	64	8.3%	52	6.7%	12	1.6%
1988	1,137	2.9%	377	33.2%	551	48.5%	106	9.3%	90	7.9%	13	1.1%
1989	1,437	2.4%	404	28.1%	754	52.4%	126	8.8%	131	9.1%	22	1.5%
1990	1,529	4.0%	429	28.1%	809	52.9%	130	8.5%	148	9.7%	13	0.9%
1991	1,719	3.8%	382	22.2%	992	57.7%	100	5.8%	227	13.2%	19	1.1%
1992	1,680	4.5%	341	20.3%	1,024	60.9%	106	6.3%	198	11.8%	12	0.7%
1993	1,552	2.8%	302	19.5%	918	59.1%	96	6.2%	227	14.6%	9	0.6%
1994	1,417	3.7%	251	17.7%	830	58.6%	68	4.8%	259	18.3%	9	0.6%
1995	1,361	4.2%	249	18.3%	764	56.1%	85	6.2%	260	19.1%	4	0.3%
1996	1,259	4.1%	205	16.3%	733	58.2%	69	5.5%	247	19.6%	5	0.4%
1997	1,304	6.0%	229	17.6%	725	55.6%	76	5.8%	274	21.0%	1	0.1%
1998	1,279	5.1%	196	15.3%	726	56.7%	71	5.5%	283	22.1%	4	0.3%
1999	1,180	6.9%	204	17.3%	653	55.3%	60	5.1%	261	22.2%	2	0.2%
2000	1,139	6.8%	204	17.9%	542	47.6%	61	5.3%	331	29.1%	1	0.1%
2001	1,224	7.7%	202	16.5%	635	51.9%	59	4.8%	327	26.7%	1	0.1%
2002	1,419	10.2%	261	18.4%	627	44.2%	56	3.9%	473	33.4%	1	0.1%
2003	1,233	9.2%	243	19.7%	540	43.8%	61	4.9%	386	31.3%	3	0.2%
2004	1,212	10.0%	302	24.9%	479	39.5%	40	3.3%	389	32.1%	3	0.2%
2005	1,230	14.3%	309	25.1%	446	36.2%	49	4.0%	425	34.5%	2	0.2%
2006	1,324	18.7%	315	23.8%	451	34.1%	72	5.5%	482	36.4%	3	0.2%
2007	1,183	19.4%	353	29.8%	361	30.5%	36	3.0%	431	36.4%	2	0.2%
2008	1,135	26.1%	396	34.9%	261	23.0%	32	2.8%	446	39.3%	0	0.0%
2009	951	26.9%	384	40.3%	162	17.0%	23	2.4%	383	40.3%	0	0.0%
2010	962	30.1%	402	41.8%	145	15.1%	22	2.3%	392	40.7%	1	0.1%
2011	744	25.7%	360	48.4%	96	12.9%	19	2.5%	269	36.2%	0	0.0%
2012	692	17.3%	349	50.4%	79	11.4%	15	2.2%	249	36.0%	0	0.0%
2013	632	10.8%	303	48.0%	65	10.4%	24	3.7%	238	37.7%	1	0.2%
2014	602	8.6%	312	51.9%	43	7.1%	8	1.3%	238	39.5%	1	0.2%
2015	555	5.4%	287	51.7%	50	9.0%	11	1.9%	207	37.3%	0	0.0%
2016	539	12.6%	290	53.9%	46	8.5%	15	2.7%	188	34.9%	0	0.0%
2017	448	11.2%	240	53.5%	48	10.8%	8	1.7%	152	34.0%	0	0.0%
2018	460	12.6%	253	54.9%	42	9.2%	5	1.0%	161	34.9%	0	0.0%
2019	405	11.6%	198	48.8%	40	9.8%	5	1.3%	162	40.1%	0	0.0%
2020	334	28.7%	174	52.1%	25	7.6%	3	0.8%	132	39.5%	0	0.0%
Total	37,324	9.6%	10,625	28.5%	15,419	41.3%	1,924	5.2%	9,188	24.6%	174	0.5%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

‡Percent with no reported exposure prior to multiple imputation adjustment.

Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of people missing transmission category after multiple imputation.

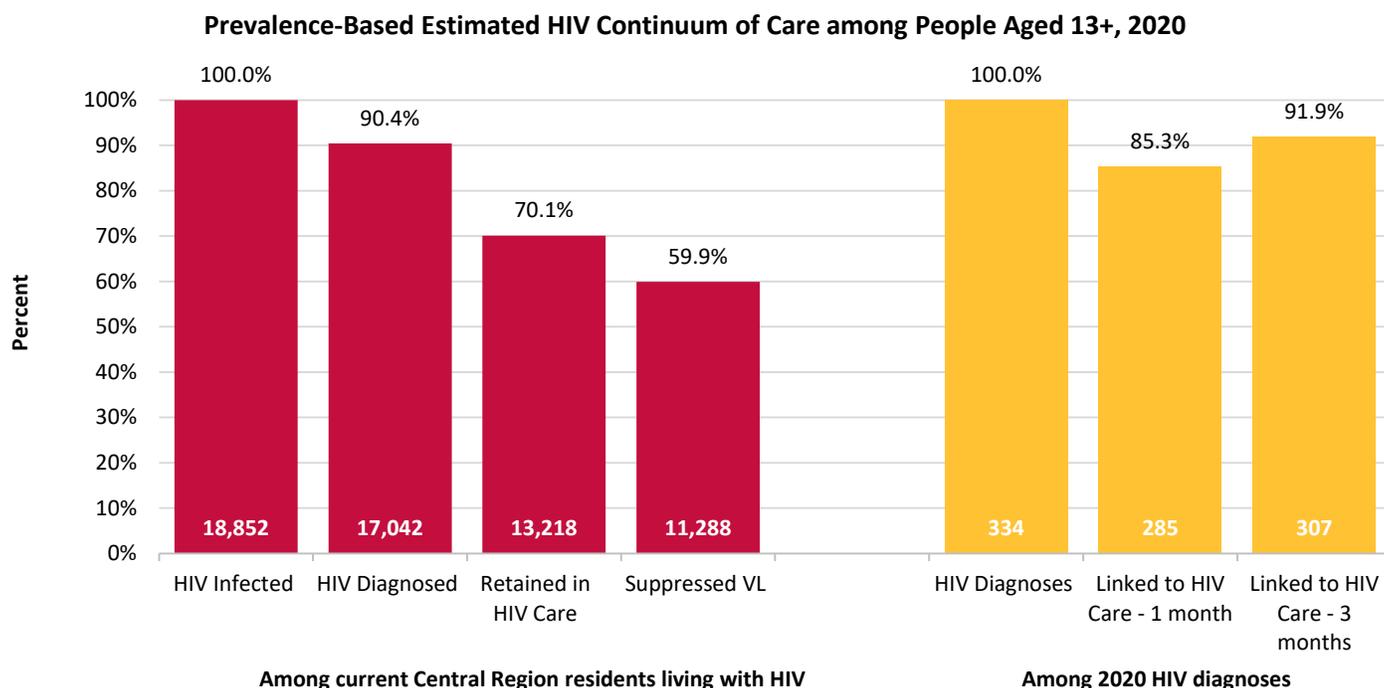
Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Section III – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Figure 8 – Prevalence-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Central Region Residents Aged 13+, Reported through June 30, 2021

The prevalence-based Central Region Engagement in HIV Care Cascades (below) apply the CDC CD4 depletion model to Maryland surveillance data, reported through June 30, 2021, to estimate the number of people living with undiagnosed HIV (10.8%) and the estimated number of people living with HIV currently residing in the Central Region. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in the Central Region on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



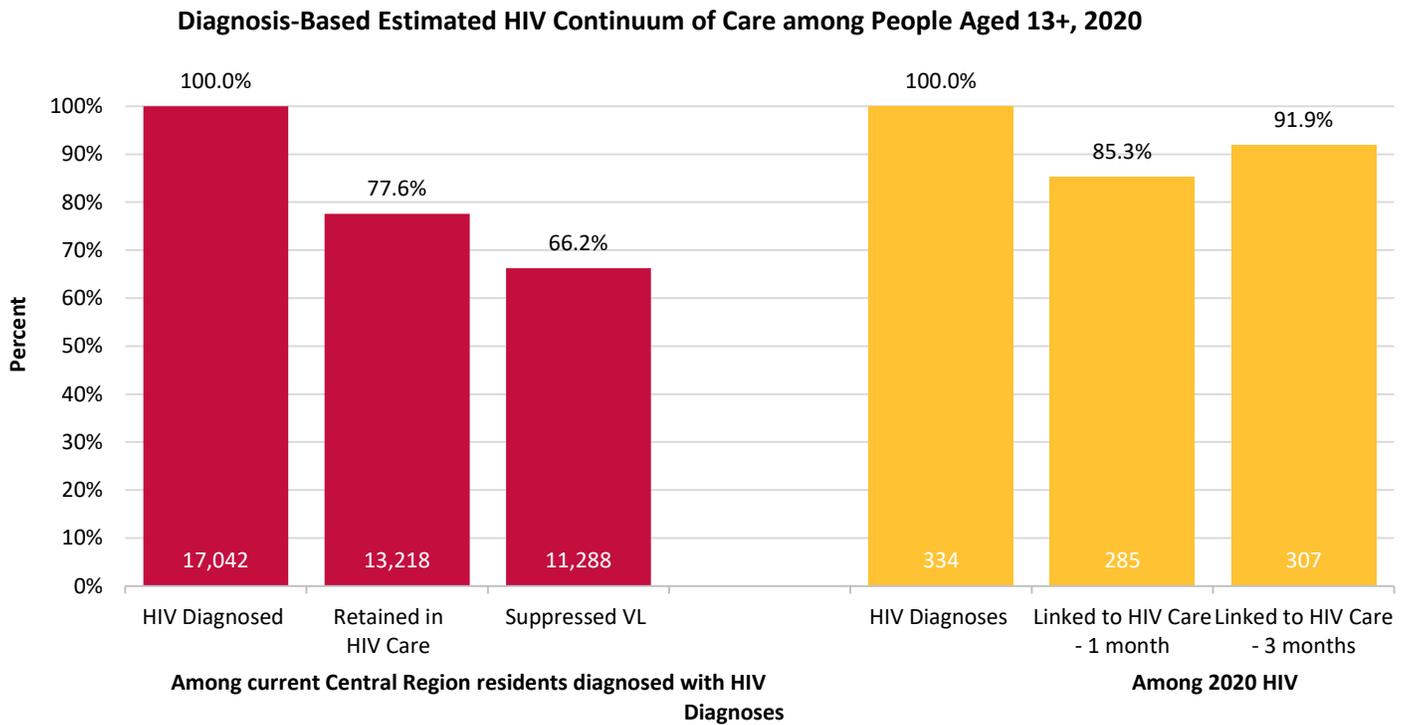
Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Infected	18,852	100.0%	New HIV Diagnoses	334	100.0%
HIV Diagnosed	17,042	90.4%	Linked to HIV Care – 1 Month	285	85.3%
Retained in HIV Care	13,218	70.1%	Linked to HIV Care – 3 Months	307	91.9%
Suppressed Viral Load	11,288	59.9%			

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis*. 2011; 52 (6): 793-800.

Figure 9 – Diagnosis-Based Estimated 2020 HIV Continuum of Care Cascades, among Current Central Region Residents Aged 13+, Reported through June 30, 2021

The diagnosis-based Central Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Central Region residents to describe the number and percentage of persons living with diagnosed HIV in the Central Region on December 31, 2020 and the number and percentage of new HIV diagnoses in 2020 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	People Aged 13+ Living with HIV		Continuum of Care Stage	Reported 2020 HIV Diagnoses	
	Number	Percent		Number	Percent
HIV Diagnosed	17,042	100.0%	New HIV Diagnoses	334	100.0%
Retained in HIV Care	13,218	77.6%	Linked to HIV Care – 1 Month	285	85.3%
Suppressed Viral Load	11,288	66.2%	Linked to HIV Care – 3 Months	307	91.9%

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Section IV – By Central Region

Table 1 – Reported HIV Diagnoses and Reported AIDS Diagnoses, among People Aged 13+ during 2020, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021

Jurisdiction of Residence at Diagnosis	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+			Reported AIDS Diagnoses among People Aged 13+		
		No.	% of Total	Rate	No.	% of Total	Rate
Anne Arundel	488,915	36	10.8%	7.4	21	11.6%	4.3
Baltimore City	498,775	177	53.0%	35.5	99	54.7%	19.8
Baltimore	697,539	92	27.5%	13.2	40	22.1%	5.7
Carroll	143,470	2	0.6%	1.4	2	1.1%	1.4
Harford	216,746	11	3.3%	5.1	8	4.4%	3.7
Howard	272,971	16	4.8%	5.9	11	6.1%	4.0
Total	2,318,416	334	100.0%	14.4	181	100.0%	7.8

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 2 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, First CD4 Test Result, and Mean Years from HIV Diagnosis by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2021

Jurisdiction of Residence at HIV Diagnosis	No.	Reported HIV Diagnoses among People Aged 13+				
		Linked to Care		% Late HIV Diagnoses	First CD4 Test Result	
		% 1 month	% 3 months		% with Test	Median Count
Anne Arundel	36	75.0%	83.3%	22.2%	88.9%	477
Baltimore City	177	85.9%	92.7%	12.4%	92.7%	449
Baltimore	92	85.9%	93.5%	15.2%	93.5%	447
Carroll	2	***	***	***	***	***
Harford	11	***	***	***	***	***
Howard	16	93.8%	93.8%	***	93.8%	452
Total	334	85.3%	91.9%	15.9%	92.5%	445

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 3 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2021

Jurisdiction of Residence	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
Anne Arundel	488,915	1,323	7.4%	270.6	370	1,439	8.4%	294.3	340	8.8%
Baltimore City	498,775	12,042	67.3%	2,414.3	41	10,423	61.2%	2,089.7	48	-13.4%
Baltimore	697,539	3,278	18.3%	469.9	213	3,793	22.3%	543.8	184	15.7%
Carroll	143,470	153	0.9%	106.6	938	161	0.9%	112.2	891	5.2%
Harford	216,746	470	2.6%	216.8	461	525	3.1%	242.2	413	11.7%
Howard	272,971	640	3.6%	234.5	427	701	4.1%	256.8	389	9.5%
Total	2,318,416	17,906	100.0%	772.3	129	17,042	100.0%	735.1	136	-4.8%

Table 4 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV								
	No.	Recent CD4 Test Result				<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count					
Anne Arundel	1,439	1,006	69.9%	648	6.2%	10.5%	16.1%	67.2%	
Baltimore City	10,423	7,115	68.3%	608	9.1%	12.0%	16.1%	62.8%	
Baltimore	3,793	2,614	68.9%	648	6.1%	11.1%	15.2%	67.6%	
Carroll	161	116	72.0%	716	8.6%	6.0%	13.8%	71.6%	
Harford	525	343	65.3%	638	6.7%	13.4%	14.6%	65.3%	
Howard	701	517	73.8%	669	5.8%	10.6%	14.3%	69.2%	
Total	17,042	11,711	68.7%	627	7.9%	11.6%	15.8%	64.7%	

Table 5 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Anne Arundel	1,439	1,055	73.3%	91.6%	11,500
Baltimore City	10,423	7,745	74.3%	87.8%	12,219
Baltimore	3,793	2,837	74.8%	91.4%	8,920
Carroll	161	121	75.2%	93.4%	203,250
Harford	525	371	70.7%	92.2%	11,300
Howard	701	526	75.0%	91.4%	6,370
Total	17,042	12,655	74.3%	89.2%	11,000

Section V – By Age

Table 6 – Reported HIV Diagnoses during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2021

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
<5 (Pediatric)	161,631	1	0.3%	0.6	***	***	***	***	***
5-12 (Pediatric)	268,975	0	0.0%	0.0	--	--	--	--	--
13-19	235,883	18	5.4%	7.6	***	***	***	***	***
20-29	359,350	111	33.1%	30.9	82.9%	91.0%	5.4%	91.0%	551
30-39	394,684	86	25.7%	21.8	84.9%	88.4%	16.3%	90.7%	450
40-49	332,451	46	13.7%	13.8	82.6%	89.1%	15.2%	91.3%	580
50-59	368,493	50	14.9%	13.6	94.0%	100.0%	32.0%	98.0%	346
60+	627,555	23	6.9%	3.7	91.3%	91.3%	39.1%	95.7%	270
Total	2,749,022	335	100.0%	12.2	85.4%	91.9%	15.8%	92.5%	447

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 7 – People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	Population	Total People Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
<5 (Pediatric)	161,631	4	0.0%	2.5	40,408
5-12 (Pediatric)	268,975	16	0.1%	5.9	16,811
13-19	235,883	72	0.4%	30.5	3,276
20-29	359,350	1,223	7.2%	340.3	294
30-39	394,684	3,068	18.0%	777.3	129
40-49	332,451	2,990	17.5%	899.4	111
50-59	368,493	5,185	30.4%	1,407.1	71
60+	627,555	4,504	26.4%	717.7	139
Total	2,749,022	17,062	100.0%	620.7	161

Table 8 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	No.	Total People Aged 13+ Living with Diagnosed HIV						
		No. with Test	% with Test	Median Count	Recent CD4 Test Results			
					<200	200-349	350-499	500+
13-19	72	61	84.7%	627	0.0%	13.1%	16.4%	70.5%
20-29	1,223	909	74.3%	665	6.3%	9.5%	14.2%	70.1%
30-39	3,068	2,055	67.0%	641	8.6%	9.7%	15.2%	66.5%
40-49	2,990	2,007	67.1%	638	8.0%	11.4%	16.3%	64.4%
50-59	5,185	3,587	69.2%	628	8.6%	11.5%	14.8%	65.0%
60+	4,504	3,092	68.7%	591	7.4%	13.5%	17.4%	61.7%
Total	17,042	11,711	68.7%	627	7.9%	11.6%	15.8%	64.7%

Table 9 – Viral Load Test Results during 2020 for People Living with Diagnosed HIV, Alive on December 31, 2020, by Age on December 31, 2020, Reported through June 30, 2021

Age on December 31, 2020	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
13-19	72	63	87.5%	90.5%	835
20-29	1,223	947	77.4%	77.6%	12,100
30-39	3,068	2,189	71.3%	82.9%	14,400
40-49	2,990	2,157	72.1%	89.0%	12,400
50-59	5,185	3,920	75.6%	91.0%	9,145
60+	4,504	3,379	75.0%	94.7%	5,450
Total	17,042	12,655	74.3%	89.2%	11,000

Section VI – By Demographics

Table 10 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Population Aged 13+	Reported HIV Diagnoses among People Aged 13+							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 month	% 3 months	%	% with Test	Median Count
Sex at Birth									
Male	1,103,236	248	74.3%	22.5	84.7%	91.1%	15.7%	91.9%	438
Female	1,215,180	86	25.7%	7.1	87.2%	94.2%	16.3%	94.2%	473
Gender									
Man	1,103,236	241	72.2%	21.8	85.1%	91.7%	16.2%	92.5%	432
Woman	1,215,180	85	25.4%	7.0	87.1%	94.1%	16.5%	94.1%	471
Transgender Woman	--	7	2.1%	0.0	***	***	***	***	***
Transgender Man	--	1	0.3%	0.0	***	***	***	***	***
Another Gender Identity	--	0	0.0%	0.0	--	--	--	--	--
Race/Ethnicity									
Hispanic	129,056	30	9.0%	23.2	93.3%	100.0%	***	93.3%	394
Non-Hispanic	2,189,360	304	91.0%	13.9	84.5%	91.1%	16.1%	92.4%	455
American Indian/Alaska Native, only	5,873	1	0.3%	17.0	***	***	***	***	***
Asian, only	140,933	3	0.9%	2.1	***	***	***	***	***
Black, only	687,169	249	74.6%	36.2	83.1%	90.8%	13.3%	92.4%	463
Native Hawaiian/Other Pacific Islander, only	1,134	0	0.0%	0.0	--	--	--	--	--
White, only	1,308,949	46	13.8%	3.5	93.5%	93.5%	30.4%	91.3%	349
Multiracial/Other	45,303	5	1.5%	11.0	***	***	0.0%	100.0%	387
Total	2,318,416	334	100.0%	14.4	85.3%	91.9%	15.9%	92.5%	445
Country of Birth									
United States	2,035,473	241	72.2%	11.8	84.6%	89.6%	17.4%	91.3%	442
Foreign-Born	276,591	31	9.3%	11.2	87.1%	96.8%	19.4%	93.5%	348
Africa	--	18	5.4%	--	83.3%	94.4%	***	94.4%	389
Asia	--	0	0.0%	--	--	--	--	--	--
Caribbean	--	2	0.6%	--	***	***	***	***	***
Central America	--	11	3.3%	--	***	***	***	***	***
Other	--	0	0.0%	--	--	--	--	--	--
Unknown	--	62	18.6%	--	87.1%	98.4%	8.1%	96.8%	492
Total	2,312,064	334	100.0%	14.4	85.3%	91.9%	15.9%	92.5%	445

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 11 – Reported HIV Diagnoses, among People Aged 13+ during 2020 by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Reported HIV Diagnoses among People Aged 13+								
Race/Ethnicity	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	66,424	23	9.3%	34.6	62,632	7	8.1%	11.2
Non-Hispanic	1,036,812	225	90.7%	21.7	1,152,548	79	91.9%	21.7
American Indian/Alaska Native, only	2,847	0	0.0%	0.0	3,026	1	1.2%	33.0
Asian, only	66,730	3	1.2%	4.5	74,203	0	0.0%	0.0
Black, only	309,086	180	72.6%	58.2	378,083	69	80.2%	18.2
Native Hawaiian/Other Pacific Islander, only	509	0	0.0%	0.0	626	0	0.0%	0.0
White, only	636,346	37	14.9%	5.8	672,603	9	10.5%	1.3
Multiracial/Other	21,295	5	2.0%	23.5	24,008	0	0.0%	0.0
Total	1,103,236	248	100.0%	22.5	1,215,180	86	100.0%	22.5

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 12 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Population Aged 13+	Total People Aged 13+ Living with Diagnosed HIV			
		No.	% of Total	Rate	Ratio (1 in X)
Sex at Birth					
Male	1,103,236	11,126	65.3%	1,008.5	99
Female	1,215,180	5,916	34.7%	486.8	205
Gender					
Man	1,103,236	10,897	63.9%	987.7	101
Woman	1,215,180	5,900	34.6%	485.5	206
Transgender Woman	--	229	1.3%	--	--
Transgender Man	--	16	0.1%	--	--
Another Gender Identity	--	0	0.0%	--	--
Race/Ethnicity					
Hispanic	129,056	840	4.9%	650.9	154
Non-Hispanic	2,189,360	16,202	95.1%	740.0	135
American Indian/Alaska Native, only	5,873	7	0.0%	119.2	839
Asian, only	140,933	108	0.6%	76.6	1,305
Black, only	687,169	12,958	76.0%	1,885.7	53
Native Hawaiian/Other Pacific Islander, only	1,134	0	0.0%	0.0	--
White, only	1,308,949	2,141	12.6%	163.6	611
Multiracial/Other	45,303	988	5.8%	2,180.9	46
Total	2,318,416	17,042	100.0%	735.1	136
Country of Birth					
United States	2,035,473	15,512	91.0%	762.1	131
Foreign-Born	276,591	1,039	6.1%	375.6	266
Africa	--	574	3.4%	--	--
Asia	--	101	0.6%	--	--
Caribbean	--	85	0.5%	--	--
Central America	--	188	1.1%	--	--
Other	--	91	0.5%	--	--
Unknown	--	491	2.9%	--	--
Total	2,312,064	17,042	100.0%	737.1	136

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2019 American Community Survey.

Table 13 – People Aged 13+ Living with Diagnosed HIV Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Race/Ethnicity	Total People Aged 13+ Living with Diagnosed HIV							
	Sex at Birth							
	Male				Female			
	Population 13+	No.	% of Total	Rate	Population 13+	No.	% of Total	Rate
Hispanic	66,424	638	5.7%	960.5	62,632	202	3.4%	322.5
Non-Hispanic	1,036,812	10,488	94.3%	1,011.6	1,152,548	5,714	96.6%	495.8
American Indian/Alaska Native, only	2,847	3	0.0%	105.4	3,026	4	0.1%	132.2
Asian, only	66,730	80	0.7%	119.9	74,203	28	0.5%	37.7
Black, only	309,086	8,056	72.4%	2,606.4	378,083	4,902	82.9%	1,296.5
Native Hawaiian/Other Pacific Islander, only	509	0	0.0%	0.0	626	0	0.0%	0.0
White, only	636,346	1,680	15.1%	264.0	672,603	461	7.8%	68.5
Multiracial/Other	21,295	669	6.0%	3,141.6	24,008	319	5.4%	1,328.7
Total	1,103,236	11,126	100.0%	1,008.5	1,215,180	5,916	100.0%	486.8

Note. Population data by sex at birth, age, and race/ethnicity are from the 2020 United States Census population estimates.

Table 14 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	11,126	7,568	68.0%	602	8.1%	12.2%	17.1%	62.6%
Female	5,916	4,143	70.0%	681	7.7%	10.4%	13.3%	68.5%
Gender								
Man	10,897	7,390	67.8%	600	8.0%	12.3%	17.3%	62.4%
Woman	5,900	4,133	70.1%	681	7.7%	10.5%	13.3%	68.5%
Transgender Woman	229	178	77.7%	707	10.1%	6.7%	11.2%	71.9%
Transgender Man	16	10	62.5%	819	10.0%	0.0%	20.0%	70.0%
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	840	561	66.8%	617	7.7%	12.7%	17.5%	62.2%
Non-Hispanic	16,202	11,150	68.8%	627	8.0%	11.5%	15.7%	64.8%
American Indian/Alaska Native, only	7	***	***	***	***	***	***	***
Asian, only	108	***	***	***	***	***	***	***
Black, only	12,958	8,922	68.9%	624	8.1%	11.7%	15.7%	64.5%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	2,141	1,448	67.6%	655	6.5%	10.4%	15.4%	67.7%
Multiracial/Other	988	709	71.8%	617	10.0%	10.4%	15.4%	64.2%
Country of Birth								
United States	15,512	10,701	69.0%	627	8.2%	11.5%	15.5%	64.8%
Foreign-Born	1,039	672	64.7%	593	6.4%	13.4%	17.9%	62.4%
Africa	574	373	65.0%	608	6.7%	12.3%	17.2%	63.8%
Asia	101	69	68.3%	510	4.3%	17.4%	26.1%	52.2%
Caribbean	85	57	67.1%	669	5.3%	12.3%	14.0%	68.4%
Central America	188	118	62.8%	573	8.5%	13.6%	19.5%	58.5%
Other	91	55	60.4%	647	3.6%	16.4%	12.7%	67.3%
Unknown	491	338	68.8%	667	3.0%	8.9%	20.4%	67.8%
Total	17,042	11,711	68.7%	627	7.9%	11.6%	15.8%	64.7%

*** Data withheld due to low population counts and/or small numbers.

Table 15 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2021

Demographic Characteristics	Total People Aged 13+ Living with Diagnosed HIV				
	No.	Recent Viral Load Test Result			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	11,126	8,152	73.3%	89.2%	11,000
Female	5,916	4,503	76.1%	89.3%	11,100
Gender					
Man	10,897	7,970	73.1%	89.5%	9,602
Woman	5,900	4,491	76.1%	89.3%	11,100
Transgender Woman	229	182	79.5%	76.4%	28,900
Transgender Man	16	12	75.0%	83.3%	11,825
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	840	606	72.1%	88.3%	8,430
Non-Hispanic	16,202	12,049	74.4%	89.3%	11,200
American Indian/Alaska Native, only	7	***	***	***	***
Asian, only	108	***	***	***	***
Black, only	12,958	9,654	74.5%	88.5%	10,300
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	2,141	1,573	73.5%	93.1%	15,350
Multiracial/Other	988	747	75.6%	90.5%	30,300
Country of Birth					
United States	15,512	11,566	74.6%	89.1%	11,350
Foreign-Born	1,039	726	69.9%	92.3%	6,490
Africa	574	404	70.4%	93.3%	9,760
Asia	101	72	71.3%	95.8%	13,000
Caribbean	85	61	71.8%	95.1%	30,300
Central America	188	126	67.0%	85.7%	1,170
Other	91	63	69.2%	92.1%	559
Unknown	491	363	73.9%	88.2%	7,420
Total	17,042	12,655	74.3%	89.2%	11,000

*** Data withheld due to low population counts and/or small numbers.

Table 16 – Males Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

Age on December 31, 2020		Total Males Living with Diagnosed HIV				Total Males by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	25,165	69,206	97,361	27,742	219,474
	Number	2	5	1	0	8
	Rate	7.9	7.2	1.0	0.0	3.6
	Ratio (1 in X)	12,583	13,841	97,361	--	27,434
13-19	Population	10,472	38,873	57,069	13,417	119,831
	Number	2	33	2	0	37
	Rate	19.1	84.9	3.5	0.0	30.9
	Ratio (1 in X)	5,236	1,178	28,535	--	3,239
20-29	Population	13,018	57,860	92,645	17,000	180,523
	Number	66	767	72	48	953
	Rate	507.0	1,325.6	77.7	282.4	527.9
	Ratio (1 in X)	197	75	1,287	354	189
30-39	Population	15,507	54,272	103,469	18,018	191,266
	Number	168	1,690	238	163	2,259
	Rate	1,083.4	3,113.9	230.0	904.7	1,181.1
	Ratio (1 in X)	92	32	435	111	85
40-49	Population	13,215	45,556	84,889	15,816	159,476
	Number	149	1,148	289	123	1,709
	Rate	1,127.5	2,520.0	340.4	777.7	1,071.6
	Ratio (1 in X)	89	40	294	129	93
50-59	Population	8,049	48,698	107,031	11,979	175,757
	Number	159	2,257	560	223	3,199
	Rate	1,975.4	4,634.7	523.2	1,861.6	1,820.1
	Ratio (1 in X)	51	22	191	54	55
60+	Population	6,163	63,827	191,243	15,150	276,383
	Number	94	2,161	519	195	2,969
	Rate	1,525.2	3,385.7	271.4	1,287.1	1,074.2
	Ratio (1 in X)	66	30	368	78	93
Total Males by Race/Ethnicity	Population	91,589	378,292	733,707	119,122	1,322,710
	Number	640	8,061	1,681	752	11,134
	Rate	698.8	2,130.9	229.1	631.3	841.8
	Ratio (1 in X)	143	47	436	158	119

Table 17 – Females Living with Diagnosed HIV by Age on December 31, 2020 and Race/Ethnicity, Alive on December 31, 2020, and Reported through June 30, 2021

Age on December 31, 2020		Total Females Living with Diagnosed HIV				Total Females by Age Group
		Race/Ethnicity				
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	23,640	67,749	92,825	26,917	211,132
	Number	0	9	2	1	12
	Rate	0.0	13.3	2.2	3.7	5.7
	Ratio (1 in X)	--	7,528	46,413	26,917	17,594
13-19	Population	10,223	38,227	54,185	13,418	116,052
	Number	1	33	0	1	35
	Rate	9.8	86.3	0.0	7.5	30.2
	Ratio (1 in X)	10,223	1,158	--	13,418	3,316
20-29	Population	12,411	60,935	87,883	17,598	178,827
	Number	19	223	15	13	270
	Rate	153.1	366.0	17.1	73.9	151.0
	Ratio (1 in X)	653	273	5,859	1,354	662
30-39	Population	13,820	65,945	103,112	20,541	203,418
	Number	34	634	85	56	809
	Rate	246.0	961.4	82.4	272.6	397.7
	Ratio (1 in X)	406	104	1,213	367	251
40-49	Population	11,741	56,510	86,773	17,951	172,975
	Number	56	1,022	111	92	1,281
	Rate	477.0	1,808.5	127.9	512.5	740.6
	Ratio (1 in X)	210	55	782	195	135
50-59	Population	7,283	59,703	112,051	13,699	192,736
	Number	56	1,670	157	103	1,986
	Rate	768.9	2,797.2	140.1	751.9	1,030.4
	Ratio (1 in X)	130	36	714	133	97
60+	Population	7,154	96,763	228,599	18,656	351,172
	Number	36	1,320	93	86	1,535
	Rate	503.2	1,364.2	40.7	461.0	437.1
	Ratio (1 in X)	199	73	2,458	217	229
Total Females by Race/Ethnicity	Population	86,272	445,832	765,428	128,780	1,426,312
	Number	202	4,911	463	352	5,928
	Rate	234.1	1,101.5	60.5	273.3	415.6
	Ratio (1 in X)	427	91	1,653	366	241

Section VII – By HIV Exposure Category

Table 18 – Reported HIV Diagnoses, among People Aged 13+ during 2020, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021

Estimated or Reported Exposure Category	Reported HIV Diagnoses among People Aged 13+						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 month	% 3 months	%	% with Test	Median Count
Male-to-male Sexual Contact (MSM)	174	52.1%	83.2%	91.8%	13.3%	91.9%	465
Injection Drug Use (IDU)	25	7.6%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	3	0.8%	***	***	***	***	***
Heterosexual Contact (HET)	132	39.5%	87.5%	92.7%	18.3%	93.7%	428
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	334	100.0%	85.3%	91.9%	15.9%	92.5%	445
Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	174	70.2%	83.2%	91.8%	13.3%	91.9%	465
Injection Drug Use (IDU)	15	6.2%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	3	1.0%	***	***	***	***	***
Heterosexual Contact (HET)	56	22.5%	89.4%	91.0%	22.4%	93.7%	387
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	248	100.0%	84.7%	91.1%	15.7%	91.9%	438
Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	10	11.5%	96.0%	96.0%	***	98.0%	542
Heterosexual Contact (HET)	76	88.5%	86.1%	94.0%	***	93.7%	473
Perinatal Transmission	0	0.0%	--	--	--	--	--
Other Exposure	0	0.0%	--	--	--	--	--
No Estimated or Reported Exposure	0	0.0%	--	--	--	--	--
Total	86	100.0%	87.2%	94.2%	16.3%	94.2%	473

Note. Data for 2020 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Exposure category estimates are rounded to whole numbers after percentages are calculated. This may be more noticeable in the precision of estimates calculated for small numbers of people. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

*** Data withheld due to low population counts and/or small numbers.

Data for 2020 should be interpreted with caution due to the impact of the COVID-19 pandemic on access to HIV testing and care-related services.

Table 19 – People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV	
	No.	% of Total
Male-to-male Sexual Contact (MSM)	6,144	36.1%
Injection Drug Use (IDU)	3,919	23.0%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	746	4.4%
Heterosexual Contact (HET)	5,922	34.8%
Perinatal Transmission	243	1.4%
Other Exposure	26	0.2%
No Estimated or Reported Exposure	42	0.2%
Total	17,042	100.0%
Male Estimated or Reported Exposure Category		
Male-to-male Sexual Contact (MSM)	6,144	55.2%
Injection Drug Use (IDU)	2,250	20.2%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	746	6.7%
Heterosexual Contact (HET)	1,850	16.6%
Perinatal Transmission	103	0.9%
Other Exposure	15	0.1%
No Estimated or Reported Exposure	18	0.2%
Total	11,126	100.0%
Female Estimated or Reported Exposure Category		
Injection Drug Use (IDU)	1,669	28.2%
Heterosexual Contact (HET)	4,072	68.8%
Perinatal Transmission	140	2.4%
Other Exposure	11	0.2%
No Estimated or Reported Exposure	24	0.4%
Total	5,916	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

Table 20 – People Aged 13+ Living with Diagnosed HIV by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2020, and Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ Living with Diagnosed HIV					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	423	50.4%	4,029	31.1%	1,235	57.7%
Injection Drug Use (IDU)	84	10.0%	3,218	24.8%	382	17.9%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	29	3.4%	554	4.3%	105	4.9%
Heterosexual Contact (HET)	294	35.0%	4,896	37.8%	396	18.5%
Perinatal Transmission	5	0.6%	215	1.7%	11	0.5%
Other Exposure	1	0.1%	12	0.1%	11	0.5%
No Estimated or Reported Exposure	4	0.5%	34	0.3%	1	0.0%
Total	840	100.0%	12,958	100.0%	2,141	100.0%
Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	423	66.3%	4,029	50.0%	1,235	73.5%
Injection Drug Use (IDU)	48	7.6%	1,912	23.7%	176	10.5%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	29	4.5%	554	6.9%	105	6.3%
Heterosexual Contact (HET)	133	20.8%	1,457	18.1%	147	8.8%
Perinatal Transmission	2	0.3%	88	1.1%	7	0.4%
Other Exposure	1	0.2%	4	0.0%	9	0.5%
No Estimated or Reported Exposure	2	0.3%	13	0.2%	1	0.1%
Total	638	100.0%	8,057	100.0%	1,680	100.0%
Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	36	17.7%	1,306	26.7%	206	44.8%
Heterosexual Contact (HET)	161	79.8%	3,440	70.2%	249	53.9%
Perinatal Transmission	3	1.5%	127	2.6%	4	0.9%
Other Exposure	0	0.0%	8	0.2%	2	0.4%
No Estimated or Reported Exposure	2	1.0%	21	0.4%	0	0.0%
Total	202	100.0%	4,902	100.0%	461	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Gender Diverse People Supplement.

Table 21 – CD4 Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021

Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV								
	No.	Recent CD4 Test Results				<200	200-349	350-499	500+
		No. with Test	% with Test	Median Count					
Male-to-male Sexual Contact (MSM)	6,144	4,296	69.9%	654	5.8%	9.9%	15.2%	69.2%	
Injection Drug Use (IDU)	3,919	2,629	67.1%	559	11.8%	14.3%	16.9%	57.0%	
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	746	531	71.1%	569	10.3%	11.6%	18.9%	59.2%	
Heterosexual Contact (HET)	5,922	4,028	68.0%	649	6.9%	11.5%	15.5%	66.1%	
Perinatal Transmission	243	176	72.4%	543	18.2%	14.2%	12.5%	55.1%	
Other Exposure	26	21	80.8%	553	19.0%	4.8%	14.3%	61.9%	
No Estimated or Reported Exposure	42	31	73.8%	627	6.5%	16.1%	12.9%	64.5%	
Total	17,042	11,711	68.7%	627	7.9%	11.6%	15.8%	64.7%	

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

Table 22 – Viral Load Test Results during 2020 for People Aged 13+ Living with Diagnosed HIV, Alive on December 31, 2020, by Estimated or Reported Exposure Category, Reported through June 30, 2021

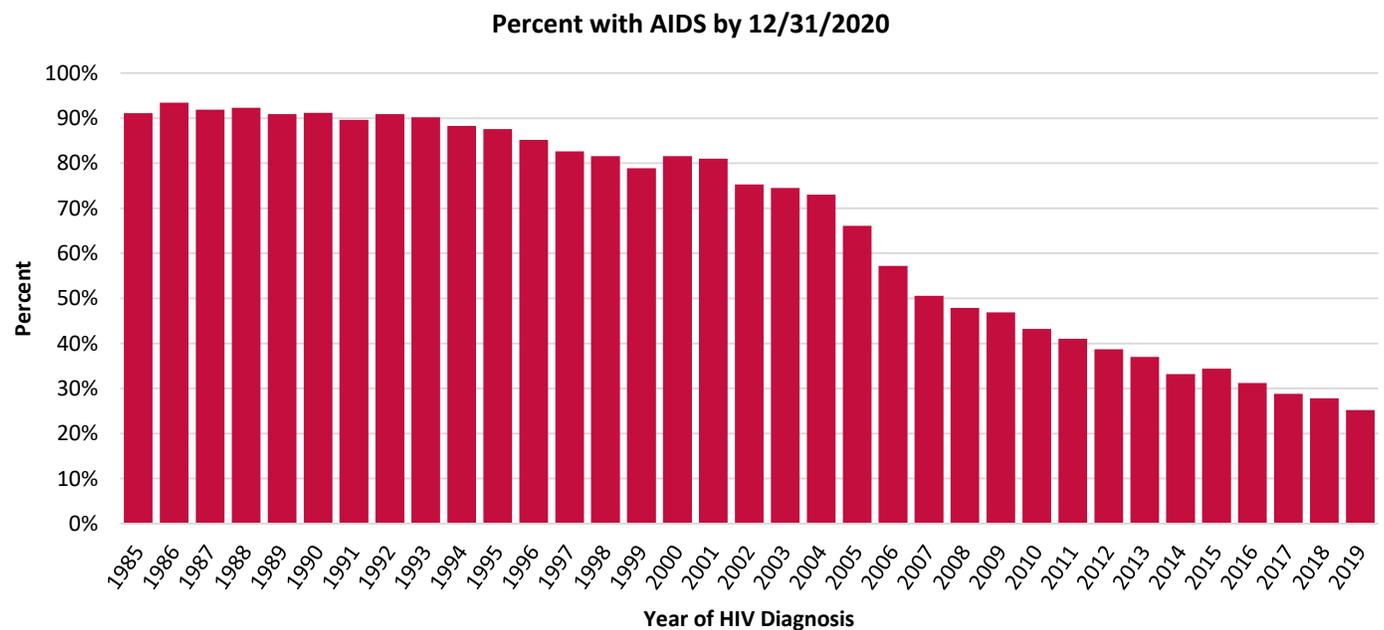
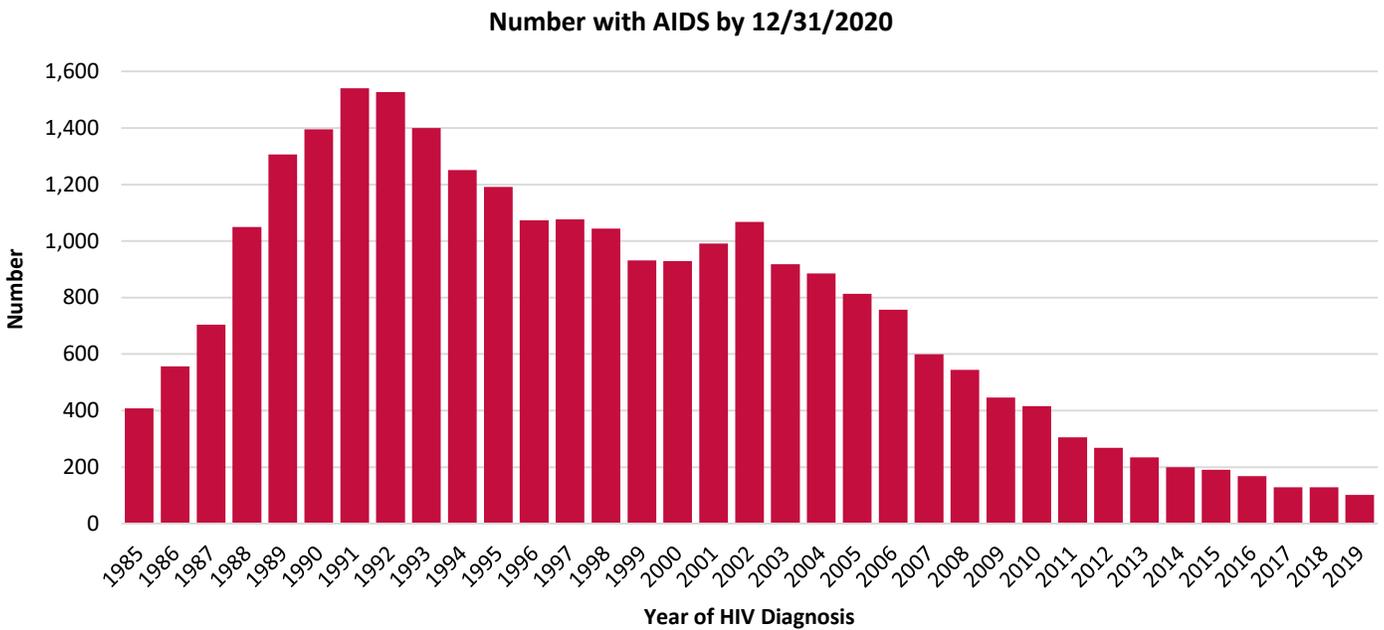
Estimated or Reported Exposure Category	Total People Aged 13+ with Living Diagnosed HIV				
	No.	Recent Viral Load Test Results			Median Unsuppressed Viral Load
		No. with Test	% with Test	% Suppressed	
Male-to-male Sexual Contact (MSM)	6,144	4,605	74.9%	89.5%	8,490
Injection Drug Use (IDU)	3,919	2,864	73.1%	89.2%	15,000
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	746	572	76.7%	88.8%	12,190
Heterosexual Contact (HET)	5,922	4,370	73.8%	90.0%	9,880
Perinatal Transmission	243	191	78.6%	69.1%	11,100
Other Exposure	26	21	80.8%	90.5%	39,800
No Estimated or Reported Exposure	42	32	76.2%	78.1%	15,400
Total	17,042	12,655	74.3%	89.2%	11,000

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

Section VIII – Disease Progression and Mortality

Figure 10 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2019, Reported through June 30, 2021

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, (Reported HIV Diagnoses among People Aged 13+), Number of People Aged 13+ with Diagnosed HIV with an AIDS Diagnosis by December 31, 2020 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ by December 31, 2020, the Average Years from HIV Diagnosis to AIDS Diagnosis for People with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported HIV Diagnoses with a Reported AIDS Diagnosis among People Aged 13+ at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2019, Reported through June 30, 2021



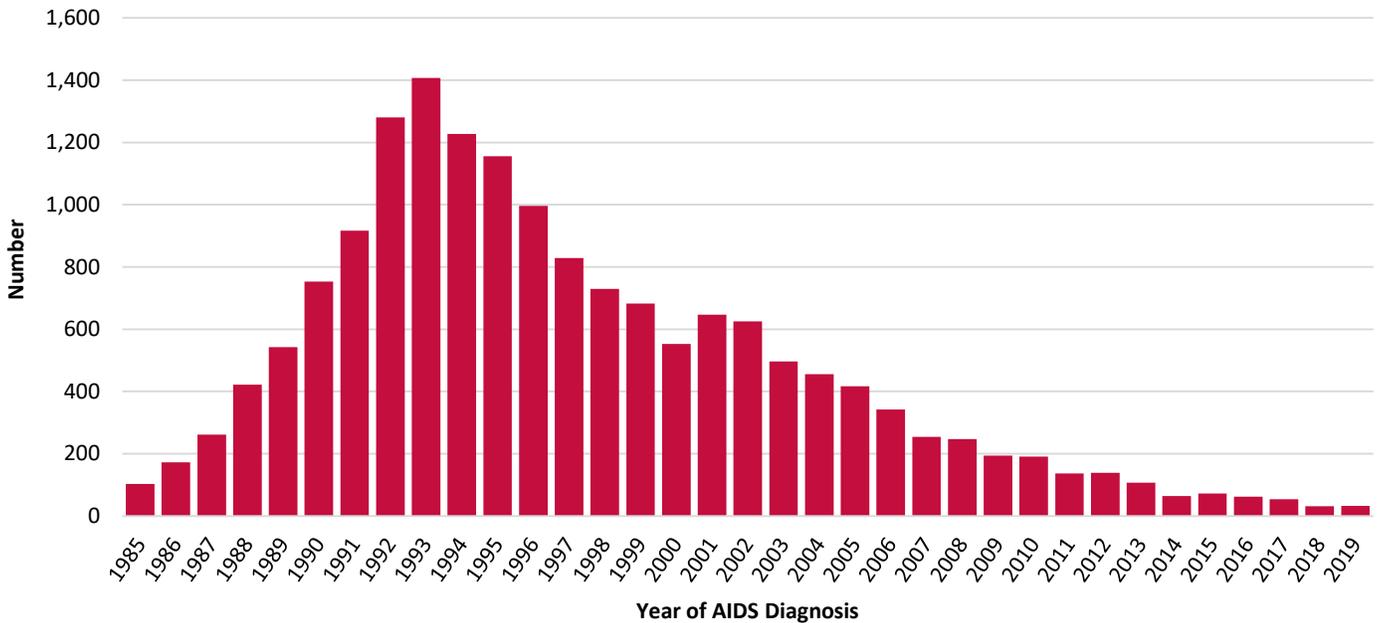
Reported HIV Diagnoses among People Aged 13+

Year of HIV Diagnosis	No.	Reported AIDS Diagnoses		Percent with AIDS by Years After HIV Diagnosis				
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	238	229	96.2%	7.2	33.2%	33.2%	36.6%	67.6%
1985	448	408	91.1%	6.6	25.9%	27.5%	35.3%	74.3%
1986	595	556	93.4%	5.6	32.8%	33.8%	46.4%	80.2%
1987	766	704	91.9%	4.7	33.3%	36.8%	54.0%	82.5%
1988	1,137	1,050	92.3%	4.0	37.7%	41.5%	63.4%	85.8%
1989	1,437	1,306	90.9%	3.6	38.3%	43.9%	67.7%	83.5%
1990	1,529	1,395	91.2%	3.2	43.8%	50.8%	73.2%	85.2%
1991	1,719	1,541	89.6%	2.8	46.4%	55.9%	73.5%	84.1%
1992	1,680	1,527	90.9%	2.7	50.4%	59.0%	75.8%	84.6%
1993	1,552	1,400	90.2%	2.3	54.2%	62.8%	76.9%	85.9%
1994	1,417	1,251	88.3%	2.4	54.1%	62.0%	74.9%	83.1%
1995	1,361	1,192	87.6%	2.4	56.4%	62.2%	72.4%	82.1%
1996	1,259	1,073	85.2%	2.1	59.3%	64.3%	71.6%	80.5%
1997	1,304	1,077	82.6%	2.3	54.5%	59.5%	69.0%	77.5%
1998	1,279	1,044	81.6%	2.1	56.2%	60.1%	68.6%	76.9%
1999	1,180	931	78.9%	1.9	56.1%	60.3%	68.4%	75.1%
2000	1,139	929	81.6%	1.9	56.3%	60.7%	70.3%	78.0%
2001	1,224	991	81.0%	1.8	57.9%	62.1%	71.2%	76.8%
2002	1,419	1,068	75.3%	2.0	53.3%	56.9%	64.3%	71.0%
2003	1,233	918	74.5%	1.7	54.2%	58.2%	64.2%	71.0%
2004	1,212	885	73.0%	1.9	51.5%	55.5%	62.0%	69.1%
2005	1,230	813	66.1%	1.9	46.0%	49.3%	56.1%	63.3%
2006	1,324	757	57.2%	2.1	37.8%	40.0%	47.5%	54.3%
2007	1,183	599	50.6%	2.6	29.2%	32.4%	39.9%	47.6%
2008	1,135	544	47.9%	2.3	28.3%	31.7%	39.9%	45.7%
2009	951	446	46.9%	2.2	27.4%	30.7%	39.2%	45.5%
2010	962	416	43.2%	2.1	25.9%	28.6%	36.1%	42.9%
2011	744	305	41.0%	1.7	26.5%	30.4%	35.3%	--
2012	692	268	38.7%	1.4	27.2%	29.8%	35.5%	--
2013	632	234	37.0%	1.1	28.6%	30.1%	34.3%	--
2014	602	200	33.2%	1.0	24.8%	27.9%	31.7%	--
2015	555	191	34.4%	0.9	25.8%	28.8%	33.0%	--
2016	539	168	31.2%	0.7	25.0%	27.3%	--	--
2017	448	129	28.8%	0.5	24.8%	26.3%	--	--
2018	460	128	27.8%	0.3	26.1%	27.4%	--	--
2019	405	102	25.2%	0.2	23.7%	--	--	--
Total	36,990	26,775	72.4%	2.6	43.6%	48.2%	58.7%	68.0%

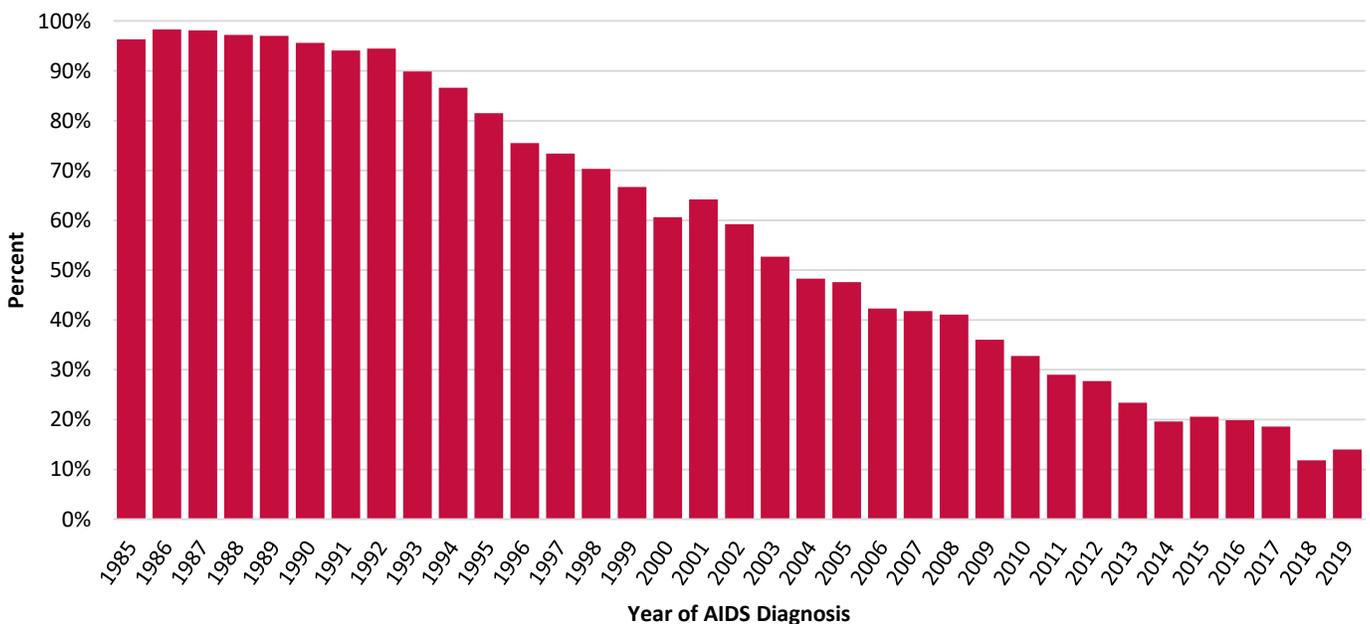
Figure 11 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2019, Reported through June 30, 2021

Number of People Aged 13+ with Diagnosed HIV, Aged 13+ at HIV Diagnosis, with an AIDS Diagnosis by December 31, 2019 (Reported AIDS Diagnoses), Number of Reported AIDS Diagnosis among People Aged 13+ Reported to Have Died of Any Cause by December 31, 2020 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) among People Aged 13+ by December 31, 2020, the Average Years from AIDS Diagnosis to Death for People that have Died, and the Percent by Year of AIDS Diagnosis of Reported AIDS Diagnoses among People Aged 13+ Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2019, Reported through June 30, 2021

Number Deceased by 12/31/2020



Percent Deceased by 12/31/2020



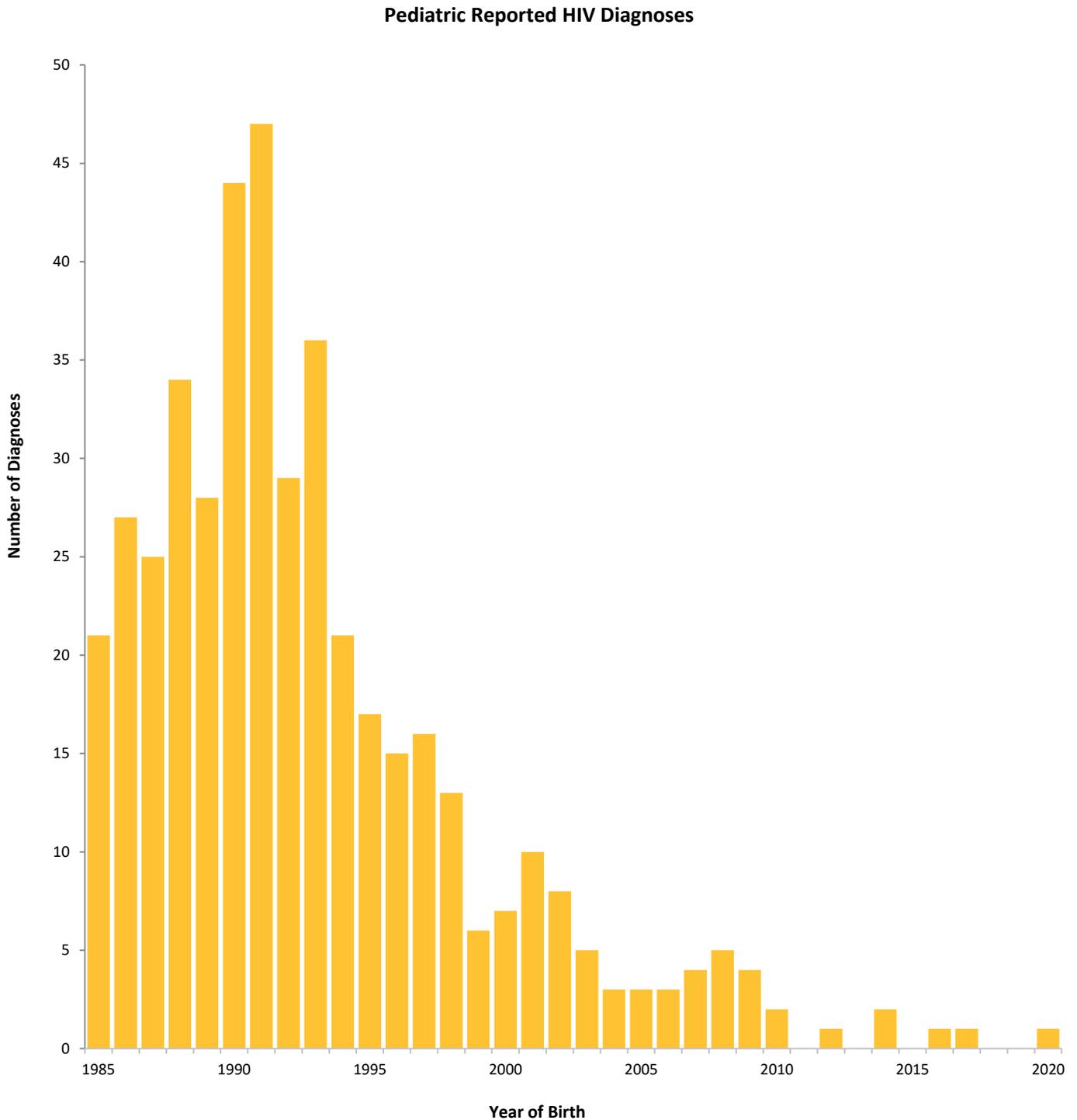
Year of AIDS Diagnosis	Reported AIDS Diagnoses among People Aged 13+							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Deceased	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	76	72	94.7%	2.5	52.6%	32.9%	15.8%	13.2%
1985	107	103	96.3%	1.9	43.0%	22.4%	9.3%	7.5%
1986	176	173	98.3%	2.6	54.0%	35.8%	14.8%	8.5%
1987	266	261	98.1%	2.3	62.0%	33.5%	11.3%	5.3%
1988	434	422	97.2%	2.5	59.2%	39.4%	14.3%	6.9%
1989	559	542	97.0%	2.8	60.8%	39.2%	15.7%	8.1%
1990	788	753	95.6%	3.2	66.0%	46.4%	20.1%	11.5%
1991	974	917	94.1%	2.9	67.8%	46.3%	18.2%	12.1%
1992	1,354	1,280	94.5%	3.3	70.5%	48.7%	20.2%	14.0%
1993	1,565	1,407	89.9%	4.1	77.8%	55.5%	32.3%	20.9%
1994	1,417	1,227	86.6%	4.3	77.5%	58.6%	38.0%	23.9%
1995	1,419	1,156	81.5%	5.6	78.8%	66.7%	49.5%	35.2%
1996	1,319	996	75.5%	6.0	81.9%	74.8%	57.5%	41.4%
1997	1,130	829	73.4%	6.4	85.3%	77.2%	60.6%	44.2%
1998	1,037	729	70.3%	6.6	87.1%	79.8%	63.8%	47.0%
1999	1,024	683	66.7%	6.2	87.1%	80.0%	64.2%	48.7%
2000	913	553	60.6%	5.9	86.2%	80.6%	65.2%	52.6%
2001	1,008	647	64.2%	5.6	85.6%	76.9%	62.1%	49.7%
2002	1,056	625	59.2%	6.3	88.4%	82.9%	70.2%	56.5%
2003	941	496	52.7%	4.9	84.0%	78.2%	67.1%	57.5%
2004	944	456	48.3%	5.2	87.5%	82.8%	72.1%	62.0%
2005	876	417	47.6%	5.6	88.5%	83.6%	74.1%	64.7%
2006	808	342	42.3%	4.7	88.2%	83.7%	74.3%	64.5%
2007	608	254	41.8%	4.7	88.3%	84.9%	76.0%	64.8%
2008	601	247	41.1%	4.5	88.9%	83.9%	75.0%	64.9%
2009	539	194	36.0%	4.2	91.1%	87.0%	78.1%	66.6%
2010	583	191	32.8%	3.8	90.7%	88.0%	80.6%	68.1%
2011	472	137	29.0%	4.0	94.1%	90.9%	82.0%	--
2012	502	139	27.7%	3.2	90.6%	88.6%	80.3%	--
2013	458	107	23.4%	3.0	94.1%	90.2%	82.1%	--
2014	326	64	19.6%	2.1	90.8%	87.1%	84.0%	--
2015	350	72	20.6%	1.7	90.9%	87.7%	80.3%	--
2016	311	62	19.9%	1.5	91.0%	86.8%	--	--
2017	291	54	18.6%	1.2	91.8%	86.3%	--	--
2018	263	31	11.8%	0.7	91.6%	89.7%	--	--
2019	235	33	14.0%	0.6	89.8%	--	--	--
Total	25,730	16,671	64.8%	4.6	81.9%	71.4%	55.6%	44.9%

*2019 AIDS deaths are preliminary

Section IX – Pediatrics

Figure 12 – Trends in Reported HIV Diagnoses among People Aged <13, 1985-2020, Reported through June 30, 2021

Number of Pediatric HIV Diagnoses, Age <13 at HIV Diagnosis, (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Children with Diagnosed HIV, Age <13 at HIV Diagnosis, and Not Reported to have Died as of December 31st of Each Year (Total Living Pediatric Diagnoses) from 1985 through 2020, as Reported by Name through June 30, 2021



Year	Pediatric Reported HIV Diagnoses				Total Living Pediatric Diagnoses Alive on December 31st of Each Year
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	
<1985	25	2	1	0	--
1985	21	7	5	1	9
1986	27	8	6	4	13
1987	25	16	10	5	24
1988	34	23	15	4	43
1989	28	29	19	5	67
1990	44	40	18	5	102
1991	47	41	26	8	134
1992	29	50	29	9	175
1993	36	46	25	12	209
1994	21	30	19	12	227
1995	17	19	15	12	233
1996	15	21	12	14	240
1997	16	10	6	6	244
1998	13	15	10	3	255
1999	6	14	7	4	264
2000	7	9	2	0	273
2001	10	9	8	3	278
2002	8	4	4	4	279
2003	5	2	2	2	278
2004	3	5	4	3	281
2005	3	1	1	0	283
2006	3	5	4	2	287
2007	4	31	7	4	313
2008	5	8	7	3	318
2009	4	6	4	2	323
2010	2	1	7	4	320
2011	0	1	6	5	317
2012	1	2	3	3	316
2013	0	1	9	2	316
2014	2	3	3	0	320
2015	0	0	2	3	318
2016	1	1	4	3	314
2017	1	1	2	3	312
2018	0	2	5	2	312
2019	0	0	3	1	311
2020	1	1	0	1	311
Total	464	464	310	154	--

Table 23 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Jurisdiction of Current Residence, Reported through June 30, 2021

Jurisdiction of Current Residence	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Anne Arundel	0	0.0%
Baltimore City	10	50.0%
Baltimore	4	20.0%
Carroll	2	10.0%
Harford	2	10.0%
Howard	2	10.0%
Total	20	100.0%

Table 24 – People Aged <13 Living with Diagnosed HIV, Alive on December 31, 2020, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2021

Demographic Characteristic	Total People Aged <13 Living with Diagnosed HIV	
	No.	% of Total
Sex at Birth		
Male	8	40.0%
Female	12	60.0%
Race/Ethnicity		
Hispanic	2	10.0%
Non-Hispanic	18	90.0%
American Indian/Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	14	77.8%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	3	16.7%
Multiracial/Other	1	5.6%
Total	20	100.0%

Glossary of Terms

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of people living with diagnosed HIV on the specified date.

Another Gender Identity: All other gender identities or gender expressions.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of people living with diagnosed HIV with a CD4 test distributed by their CD4 count results (cells per microliter).

CD4 With Test: Number and percent of total people aged 13+ living with diagnosed HIV with a recent CD4 test result.

Corrections: Residence in a state or federal prison in Maryland. Does not include local jails and detention centers.

Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Female: A person whose sex assigned at birth is female.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

First CD4 Test Result Percent with Test: Percent of reported HIV diagnoses among people aged 13+ with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

Gender Expression: People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

Gender Identity: Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

Heterosexual Contact (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to be HIV positive or at increased risk for HIV transmission. Risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue, and artificial insemination.

Injection Drug Use (IDU): People who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 3 months after their initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

People Aged 13+ Living with Diagnosed HIV: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year and not reported to have died as of December 31st of the specified year.

People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st of the specified year.

Male: A person whose sex assigned at birth is male.

Mean Years from HIV Diagnosis: Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for people living with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median Count: Median CD4 count (cells per microliter), among total people aged 13+ living with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among people aged 13+ living with diagnosed HIV of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Male-to-male Sexual Contact (MSM): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Male-to-male Sexual Contact/Injection Drug Use (MSM/IDU): Men who report a history of sexual contact with other men who also have engaged in injection drug use.

Other Exposure: Includes people who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Percent Change: The percent change in number of total people aged 13+ living with diagnosed HIV from residence at diagnosis to current residence.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 3 months prior to their initial AIDS diagnosis.

Percent Suppressed: Percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Perinatal Exposure: Any baby born to a woman living with diagnosed HIV.

Population: Population estimate for July 1, 2020.

Population Aged 13+: Population age 13 years or older, estimate for July 1, 2020.

Rate: Number of people living with diagnosed HIV divided by the population and multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 person living with diagnosed HIV in the population, or 1 person living with diagnosed HIV in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported AIDS Diagnoses among People Aged 13+: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Reported HIV Diagnoses among People Aged 13+: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Retained in HIV Care: HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

Suppressed Viral Load: HIV diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Total People Aged 13+ Living with Diagnosed HIV: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year not reported to have died as of December 31st of the specified year.

Total People Aged <13 Living with Diagnosed HIV: Reported HIV diagnosis, age less than 13 years at HIV diagnosis and not reported to have died as of December 31st of the specified year.

Total People Living with Diagnosed HIV: Reported HIV diagnoses not reported to have died as of December 31st of the specified year.

Transgender Man: A person whose sex assigned at birth is female but who identify as masculine.

Transgender Woman: A person whose sex assigned at birth is male but who identify as feminine.

Viral Load With Test: Number and percent of total people aged 13+ living with diagnosed HIV with a recent viral load test result.